United States
Environmental Protection
Agency

Office of
Solid Waste
Washington, DC 20460

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# RCRAINFO

# FILE SPECIFICATION GUIDE

# 2005 HAZARDOUS WASTE

# REPORT SUBMISSIONS

**TABLE OF CONTENTS**

**Page**

## TABLE OF CONTENTS

**Page**

## 1.0 INTRODUCTION

This document describes the file specifications for reporting data for the 2005 Hazardous Waste Report (also called the Biennial Report). The material in this guide covers submissions by States and Regions to EPA Headquarters (HQ). The file specifications in this guide are not intended to be used to cover submissions by individual reporting sites. Also, this guide is only intended to specify the file and data formats for the submission and is not intended to cover any procedural or EPA programmatic issues.

This document is designed to be used in conjunction with the *2005 Hazardous Waste Report, Instructions and Forms*, EPA Form 8700-13A/B that is referenced throughout this document. You should have a complete copy of the *2005 Hazardous Waste Report, Instructions and Forms* in your possession while using this guide. Copies of the *2005 Hazardous Waste Report, Instructions and Forms* are available at http://www.epa.gov/epaoswer/hazwaste/data/#brs.

### 1.1 Overview of Document

The *File Specification Guide for 2005 Biennial Report Hazardous Waste Submissions* is divided into four sections:

Section 1 (Introduction) defines the intended audience for this guide, offers a brief description of the forms contained in the *2005 Hazardous Waste Report, Instructions and Forms*, and describes the general purpose and outline of this document.

Section 2 (Changes from Previous Cycles) outlines the major changes to the file specifications from previous Biennial Report cycles.

Section 3 (Data Submission Overview) describes the overall characteristics for a data submission.

Section 4 (Technical Specifications) discusses the technical details of the data files and programs necessary for data submission.

Several appendices are included with this document. These appendices provide background material as well as detailed technical information necessary to properly prepare file submissions.

### 1.2 Intended Audience

The intended audience for this guide is any State or EPA Region that is using its own software and procedures to extract hazardous waste data from a State or Regional system for submission to EPA HQ for inclusion in the RCRAInfo database for the 2005 Hazardous Waste Report; or any commercial software vendor who is preparing software for use/purchase by States and Regions for preparation of State or Regional submission of data for the 2005 Hazardous Waste Report.

(Note: States or Regions who use a data collection instrument different than the *Hazardous Waste Report, Instructions and Forms* developed by EPA HQ are called translators. This guide will serve as guidance for both translators and commercial software vendors.)

This document was written assuming the reader 1) is familiar with the *2005 Hazardous Waste Report, Instructions and Forms* and 2) understands basic computer concepts and terminology.

## 1.3 Hazardous Waste Report Forms

The *2005 Hazardous Waste Report, Instructions and Forms* document captures information on the following forms:

**RCRA Subtitle C Site Identification Form**

The Site Identification Form collects information on the site completing the Biennial Report forms package. The form is divided into thirteen items, twelve of which must be completed for the Hazardous Waste Report. States and Regions submit Site ID form information via the SI1, SI2, SI3, SI4, SI5, SI6, SI7, and SI9 flat files.

Note: The SI8 flat file allows implementers to include State specific activities in their Biennial Report submission. This information is not found on the RCRA Subtitle C Site Identification Form, but rather is implementer defined to meet the State's regulatory requirements.

**Form GM**

Form GM is for reporting on-site hazardous waste generation, management, and off-site shipment. Form GM is divided into three sections that document 1) the source, characteristics, and quantity of hazardous waste generated; 2) the quantity of hazardous waste managed on-site along with the management method used; and 3) the quantity of hazardous waste shipped off-site for treatment, disposal, or recycling along with the off-site management method used. States and Regions submit GM form information via the GM1, GM2, GM3, GM4, and GM5 flat files.

**Form WR**

Form WR identifies hazardous wastes that were received from other hazardous waste sites and the method(s) used to manage them. Form WR is divided into three identical parts (i.e., waste blocks), labeled Waste 1, Waste 2, and Waste 3, that collect information on the quantities and characteristics of each hazardous waste received from an off-site source during 2005 and managed on-site. States and Regions submit WR form information via the WR1, WR2, and WR3 flat files.

**Form OI**

Form OI documents the names and addresses of off-site installations and transporters. OI information is not loaded into the RCRAInfo database, but a file specification has been included to facilitate data sharing.

## 1.4 Data Files

Information gathered from the Hazardous Waste Report is submitted to EPA HQ via a series of flat files. Each form contains information that relates to the form in a one-to-one (1:1) relationship (e.g., Form GM, Section 1, Block D, source code). These data elements are captured in the primary flat file for that form (e.g., SI1, GM1, and WR1). Information that relates to the form in a many-to-one (*n*:1) relationship (e.g., Form GM, Section 1, Block B, EPA hazardous waste codes) is captured in secondary flat files (e.g., GM2-GM5, WR2-WR3).

The remainder of this document describes in detail the steps necessary to ensure a successful data submission including identifying which sites should be reported, the types of files that must be included with each submission, and technical aspects of the file creation process.

## 1.5 Questions/Comments

Questions about this document should be directed to the RCRAInfo help desk at rcrainfo.help@epa.gov. Questions submitted to the help desk must only concern the file specification for submission of data from the States or EPA Regions to the RCRAInfo database. Questions on submissions of data by individual sites should be directed to appropriate State or EPA Regional personnel.

## 2.0 CHANGES FROM PREVIOUS CYCLES

EPA made significant modifications to the Hazardous Waste Report for the 2001 submission based on a lengthy study of the information needs of EPA and State hazardous waste programs. Those changes were made to improve the consistency, accuracy, and reliability of the data. Further modifications were made for the 2003 submission including the requirement to complete the entire RCRA Subtitle C Site Identification Form, the deletion of "RCRA Radioactive Mixed" information, and the addition of source codes for foreign countries of origin. EPA has not made any changes in reporting requirements and forms for the 2005 report.

## 3.0 DATA SUBMISSION OVERVIEW

### 3.1 Data Requirements

Data collected via the *2005 Hazardous Waste Report, Instructions and Forms* may or may not be required to be included in the Hazardous Waste Report submission. For the purposes of this document, "required" refers to data elements that must be provided and cannot have a value of blank. The required data elements are listed in Appendix A.

States and Regions are encouraged to provide as much data (required or not) as possible. This information enhances the analytical usefulness of the Hazardous Waste Report data within RCRAInfo. Specifically, non-required data elements of interest include form codes for all records contained in the GM1 and WR1 files.

State, Regional, and commercial software packages must provide data for required data elements. Flat files containing required data elements include:

- Form Site ID data (RCRA Subtitle C Site Identification Form):
  Flat Files SI1, SI2, SI6, SI7, and SI9

- Form GM data (Waste Generation and Management):
  Flat Files GM1, GM2, GM4, and GM5

- Form WR data (Waste Received from Off-site):
  Flat Files WR1 and WR2

All data elements must be properly formatted and meet required data quality standards to be loaded into RCRAInfo. The data quality standards for these elements are presented in Appendix C.

The Hazardous Waste Report data submission must also include a control file for proper loading into the RCRAInfo database. The control file specifies each flat file to be loaded and the number of records included in the flat file.

Appendix B contains the flat file specifications for all files (including the control file) needed to produce the Hazardous Waste Report data submission.

### 3.2 Data Submission

It is the responsibility of the State, Regional, or commercial software package to produce a complete set of correctly formatted files of a given State for inclusion in the RCRAInfo database. The RCRAInfo application can only accommodate submissions containing all data for a given State, that is, data for a single site cannot be loaded into RCRAInfo.

Flat files are transferred to the EPA Unix server via the RCRA Central Data Exchange (CDX) application in accordance with the Memorandum of Understanding between the Region and the State. The data is transferred to the EPA in the form of Windows-compatible ZIP files. The RCRAInfo File Transfer Process extracts the files from these zip files and stores the data in Oracle database "staging" records for further processing. The RCRA staging process is designed to run as a background process that continuously looks for files to process. Therefore, there is no user interaction required once the environment is configured and the process is started.

CDX provides an interface for submitters to upload a ZIP file from their local file location (commonly the C:/ drive) to the CDX/RCRAInfo environments. The uploaded file must be in the form of a ZIP file and must contain a mandatory control file that lists the names of the other files in the ZIP file. The ZIP file must conform to PKWARE's (de facto) compression standard. The EPA has tested and approved two compression utilities for use by submitters. They are available for download at http://www.epa.gov/cdx/test/zipintro.htm.

The submitter must have a valid CDX user ID and password as well as a valid RCRAInfo (production) user ID and password. CDX user ID and passwords may be obtained at http://cdx.epa.gov or at 888-890-1995. In addition, the Biennial Report Load Implementer of Record setting within RCRAInfo must be appropriately set (Region or State).

### 3.3 Amount of Data in a Single Submission

Each data submission must contain **ALL** data for the State for which data is being submitted. Each data submission will overwrite **ALL** existing 2005 Hazardous Waste Report data for the State in the RCRAInfo database.

### 3.4 States/Regions not using the *2005 Hazardous Waste Report, Instructions and Forms*

The information contained in this guide is equally applicable to States and Regions who use a different data collection package than the *2005 Hazardous Waste Report, Instructions and Forms*. Translators are required to provide data equivalent to that collected by the *2005 Hazardous Waste Report, Instructions and Forms* (required data elements). The following information is provided to help translators become familiar with the steps to ensure a successful data submission:

- Identify all sites for which information is to be translated.
- Access information that is equivalent to the *2005 Hazardous Waste Report* data.
- Validate that the equivalent data conforms to the appropriate data quality standards.
- Write translated data to appropriate flat files.
- Generate a control file for the translated flat files.

### 3.4.1 Identify Sites

The State/Region must submit information for sites required to file the *2005 Hazardous Waste Report, Instructions and Forms*. The criteria that defines these sites is presented on page iii of the *2005 Hazardous Waste Report, Instructions and Forms* under "Sites Required to File the Hazardous Waste Report." States and Regions are not precluded from submitting information for sites not required to file the *2005 Hazardous Waste Report, Instructions and Forms*.

### 3.4.2 Access Equivalent Data

The required data elements for the sites being reported must be provided (see Appendix A for a complete list of required data elements). The translator State/Region must identify in their system the data elements and relationships equivalent to the data elements/relationships represented by the flat file specifications provided in Appendix B.

The Form GM, Form WR, and Form OI allow for multiple form submissions by a handler. Translator States/Regions must also accommodate multiple "forms" by a handler as follows:

**Form GM**

Form GM collects data associated with a single reported waste. Translators must provide records in the GM1 - GM5 files for each waste generated or managed during the reporting cycle. Thus, each page number for the GM flat file records represents a **single** reported waste. All "GM" flat file records containing data associated with the same waste reported for the same EPA ID will have the same page number. Page number takes the value of "00001" for the first reported waste (Form GM) and is incremented by one (1) with each following reported waste. (Note: The instructions on assignment of page number for translators are different than for those States/Regions/commercial software vendors supporting the *2005 Hazardous Waste Report, Instructions and Forms*. For vendors supporting the *2005 Hazardous Waste Report, Instructions and Forms*, page number should be the same as the number assigned by the respondent to the actual form.)

**Form WR**

Form WR collects data associated with each reported waste received from off-site. Translators must provide records in the WR1 - WR3 files for each waste received from off-site. All "WR" flat file records containing data associated with the same received waste reported for the same handler will have the same page number. Page number takes the value of "00001" for the first received waste (Form WR) and is incremented by one (1) with each separate received waste reported. The sub-page number for Form WR data must always be assigned the value of "1". (Note: The instructions on assignment of page number and sub-page number for translators are different than for those States/Regions/commercial software vendors supporting the *2005 Hazardous Waste Report, Instructions and Forms*. For vendors supporting the *2005 Hazardous Waste Report, Instructions and Forms*, page number and sub-page number should be the same as the number assigned by the respondent to the actual form. Sub-page number is '1' for the waste reported in the "Waste 1" block of the WR form, '2' for the waste reported in the "Waste 2" block of the WR form, and '3' for the waste reported in the "Waste 3" block of the WR form.)

**Form OI**

Form OI collects data identifying 1) handlers from whom waste was received and to whom waste was shipped and 2) all transporters used to ship waste during the reporting cycle. These source, destination, and transporting entities are identified by their EPA ID, name, and address. The page number for the OI flat file records represents a single handler record. Page number takes the value of "00001" for the first handler record and is incremented by one (1) with each separate handler record reported.

### 3.4.3 Data Quality/Equivalency

The State/Region's translator data must provide an accurate representation of hazardous waste activity for that State. In addition, the translator's data must pass a minimum set of data edits (see Appendix C) in order to provide information comparable to data gathered with the *2005 Hazardous Waste Report, Instructions and Forms* and to be properly loaded into the RCRAInfo database. Data failing to conform to the appropriate data quality edits will result in the entire data submission to RCRAInfo being rejected.

Appendix D contains an annotated copy of the *2005 Hazardous Waste Report* forms showing in which flat file each data element is located. In addition, all codes used in the submission must conform to acceptable data values as specified in Appendix C.

### 3.4.4 Write Translated Data to Flat Files

Translator States/Regions must extract data from their State/Regional system and re-produce the data in the flat file formats outlined in Appendix B. A complete translation effort may not necessarily include all flat files. For example, a translator submitting Form GM data is not required to include the "GM3" flat file (State waste codes) since it is non-required data. However, the State/Region is encouraged to include in the Hazardous Waste Report data submission all data (required and non-required) that the State/Region currently collects.

The flat file specifications for the Hazardous Waste Report data are based on a series of parent-child relationships. A parent file (i.e., SI1, GM1, WR1) may have one or more child relationships with other flat files (i.e., SI2-SI9, GM2-GM5, WR2-WR3). Child records may not exist without the existence of the parent record (e.g., a record for site XYZ cannot exist in the GM2 file if a corresponding record does not exist in the GM1 file). Appendix E shows the parent-child relationships for all flat files comprising the Hazardous Waste Report data submission.

Data for a site should only be included in the Hazardous Waste Report data submission after all records for that site pass all appropriate edit checks. If a site's data is incomplete, then the site's information must not be included in the State's Hazardous Waste Report data submission. **It is not sufficient to eliminate the data element in error and submit the remainder of the site's data**.

### 3.4.5 Generating a Control File

The translator must include a "control" file with all Hazardous Waste Report data submissions. The specifications for this file are included in Appendix B. The control file records contain information describing the flat files being submitted. One control file record is created for each submitted flat file. These records **MUST** be in the following order:

**SI1, SI2, SI3, SI4, SI5, SI6, SI7, SI8, SI9, GM1, GM2, GM3, GM4, GM5, WR1, WR2, WR3**

**Exhibit 1.** Control File Flat File Order

**Note:** The control file should contain information **only** on the flat files submitted. If a flat file is not submitted, no information for the file should be placed in the control file. The OI1 flat file should never be included in the control file because this form is not to be submitted to the RCRAInfo database.

## 4.0 TECHNICAL SPECIFICATIONS

This section contains the standards that must be met when producing flat files for the Hazardous Waste Report data submission. Failure to meet these specifications will result in the rejection of the flat files and failure to load the data into the RCRAInfo database.

### 4.1 Include in National Report Flags

SI1, GM1, and WR1 file specifications include a field labeled INCLUDE_IN_NATIONAL_REPORT. The purpose of this field is to allow implementers to submit additional Hazardous Waste Report data (for purposes of data sharing) but keep that data from being included in the National Biennial Hazardous Waste Report. The field is defined as follows: If the INCLUDE_IN_NATIONAL_REPORT flag in the SI1 file is 'N' (No), then all the INCLUDE_IN_NATIONAL_REPORT flags for the site must also equal 'N' (No) else the submission will be in error. If the INCLUDE_IN_NATIONAL_REPORT flag in the SI1 file is 'Y' (Yes), implementers may set the flag in the GM1 and WR1 file as either 'Y' (Yes) or 'N' (No) to indicate whether that particular waste should be included in the National Biennial Hazardous Waste Report. It is anticipated that many implementers will default the value for these flags to 'Y' (Yes) in all cases, however the specific implementation of how these flags are populated is determined by the implementer.

### 4.2 State Generator Status

Implementers are required to furnish both the State specific generator status and the Federal generator status for each site in their submission. Appropriate fields are included in the SI1 file specification for this purpose. It is anticipated that many States whose regulations closely match the federal regulations, either by reference or by inclusion, will choose for the values of these fields to be the same. The method to populate these fields is determined by the implementer, however both fields must be provided or the submission will be rejected.

### 4.3 Rules and Format Conventions Required for Data Flat Files

The following sections detail the correct field formats for the data in the flat files.

#### 4.3.1 Alphanumeric Fields

Alphanumeric fields are identified in Appendix B as Data Type "A" fields. Data Type "A" fields must be left-justified with all trailing spaces filled with the space character (i.e., ASCII HEX 0x20 or ASCII Decimal 32).

Valid characters for alphanumeric fields are limited to:
~ ! # $ % ^ * ( ) _ + ` - \ = : ; ? , . / ' " @ & [ ] | 1234567890ABCDEFGHIJKLMNOPQRSTUVWXYZ

Invalid characters for alphanumeric fields include:
{}<>

If the “<“ or “>” symbols are used to indicate less than or greater than, it is recommended that these symbols be replaced with “LT” or “GT”.

As part of the RCRAInfo load routines, all lowercase letters (a-z) will be converted to uppercase characters (A-Z). Lowercase letters will not cause a submission to be rejected, however the lowercase letters will be converted to uppercase characters.

### 4.3.2 Integer Fields

Integer fields are identified in Appendix B as Data Type "I" fields.

Allowed values for integer fields are numbers 0-9 and the space character (ASCII Hex 0x20 or ASCII Decimal 32).

Examples of incorrect and correct entries for an integer field defined with a length of five (5) are presented in Exhibit 2 below.

| INCORRECT | CORRECT |
|---|---|
| 1A | 1 |
| 10,000 | 10000 |
| 750.25 | 750 |

**Exhibit 2.** Incorrect and Correct Integer Entries

### 4.3.3 Fixed Decimal Fields

Fixed place decimal fields are identified in Appendix B as Data Type "D" fields.

For all "D" field entries, the flat file specifications indicate the number of digits that the data element is allowed before the decimal and after the decimal. For example, D11.6 indicates that the number may have up to 11 digits before the decimal and 6 digits after the decimal (99999999999.999999). The field length includes the decimal character.

Allowed values for fixed decimal fields are numbers 0-9, the decimal character ".", and the space character (ASCII Hex 0x20 or ASCII Decimal 32).

Although some data blocks on the *2005 Hazardous Waste Report, Instructions and Forms* provide for only one decimal place, the translator flat files may allow additional decimal places to be represented in "D" fields. Exhibit 3 shows incorrect and correct entries in a type "D5.2" field.

| INCORRECT | CORRECT |
|---|---|
| 10,032.1 | 10032.10 |
| 10,032A | 10032 |

**Exhibit 3.** Incorrect and Correct Fixed Decimal Entries

### 4.3.4 Sequence Number Fields

Some of the files in Appendix B require a sequence number to be provided for each record. The SI6 file, for example, requires a sequence number (NAICS_SEQ) for the NAICS codes. The sequence number is needed for data elements, such as the NAICS code, which may have more than one value. The sequence number should be assigned the value "1" for the first occurrence of the sequenced data element for the EPA ID and should then be incremented by one with each successive occurrence of that same EPA ID.

### 4.3.5 Negative Numbers

Negative numbers are not allowed in the data submission.

## 4.4 Indicating Don't Know (DK) and Not Applicable (NA)

The *2005 Hazardous Waste Report, Instructions and Forms* document does not allow the use of "Don't Know" (DK) or "Not Applicable" (NA). Flat files cannot contain any values indicating "Don't Know" or "Not Applicable."

## 4.5 Record Termination

Each flat file record must be terminated by a line feed character (ASCII Hex 0x0A or ASCII Decimal 010), or a carriage return character (ASCII Hex 0x0D or ASCII Decimal 013) followed by a line feed character.

## 4.6 Empty Fields

For fields that require no response, the field should be filled with the space character (i.e., blanks).

## 4.7 Flat File Hierarchy

Appendix E shows the flat file hierarchy for the Hazardous Waste Report data submission. Files connected by lines have a parent-child relationship. The file identified at the left terminus of a line is the parent. The file identified at the right terminus of a line is the child. Each record with a unique EPA ID in a child flat file must have at least one corresponding record in the parent flat file. When a parent flat file distinguishes records using more than one key, it is the combination of the keys that identifies uniqueness. For example, the "GM" series flat files use two keys (Handler ID and GM Page Number) to identify each "waste" being reported for a site. Thus, for each unique occurrence of the combined keys (Handler ID and GM Page Number) in the GM2 flat file, there must be a corresponding record in the GM1 file with the same values for the entire key.

## 4.8 Confidential Business Information (CBI)

Under existing RCRA statutes, sites may claim that certain items of information submitted as part of their Hazardous Waste Report contain Confidential Business Information (CBI). The procedures for handling CBI can be found in *Procedures for Handling RCRA Confidential Business Information* (available from the EPA HQ RCRA Document Control Officer). A subset of these procedures is documented in *Procedures for Handling RCRA Confidential Business Information Submitted for the Biennial Report*. (Copies of these documents can be requested from the RCRAInfo help desk at rcrainfo.help@epa.gov). In brief, it is not allowable to mingle CBI data with non-CBI data. In addition, CBI data must be handled on a secure computer (either a computer that is kept in a secure environment or a computer that uses

removable media where the media is kept in a secure environment). CBI data must be submitted separately from non-CBI data using data handling methods outlined in the *Procedures for Handling RCRA Confidential Business Information* documentation.

In previous Biennial Report cycles, some States/Regions that have received CBI have masked the CBI data (in other words, changed the CBI data so it no longer is CBI). This practice is not a requirement of EPA HQ, but as long as the masking is acceptable to the site and the implementer, and the data meets the minimum edit standards as detailed in the appendices, this solution is acceptable.

# APPENDIX A

## Required Data Elements

## APPENDIX A - Required Data Elements

*For the purposes of this document, "required" refers to data elements that must be provided that cannot have a value of blank.*

### REQUIRED FIELDS FOR FLAT FILE SI1

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| SUBMITTAL_REASON | Reason for Submittal | SI-1 |
| NAME | Name | SI-3 |
| LOCATION_STREET1 | Location Street 1 | SI-4 |
| LOCATION_CITY | Location City | SI-4 |
| COUNTY_NAME | County Name | SI-4 |
| LOCATION_STATE | Location State | SI-4 |
| LOCATION_ZIP | Location Zip Code | SI-4 |
| MAIL_STREET1 | Mailing Street 1 | SI-7 |
| MAIL_CITY | Mailing City | SI-7 |
| MAIL_STATE* | Mailing State | SI-7 |
| MAIL_ZIP | Mailing Zip Code | SI-7 |
| LAND_TYPE | Site Land Type | SI-5 |
| CONTACT_FIRST_NAME | Contact First Name | SI-8 |
| CONTACT_LAST_NAME | Contact Last Name | SI-8 |
| CONTACT_PHONE | Contact Phone Number | SI-8 |
| STATE_GENERATOR_STATUS | State Specific Generator Status | |
| GENERATOR_ACTIVITY | Generator Activity | SI-10-A-1 |
| IMPORTER_ACTIVITY | U.S. Importer of Hazardous Waste | SI-10-A-1 |
| MIXED_WASTE_GENERATOR | Mixed Waste (hazardous and radioactive) Generator | SI-10-A-1 |
| TRANSPORTER_ACTIVITY | Transporter of Hazardous Waste | SI-10-A-2 |
| TSD_ACTIVITY | Treater, Storer, or Disposer of Hazardous Waste | SI-10-A-3 |
| RECYCLER_ACTIVITY | Recycler of Hazardous Waste | SI-10-A-4 |
| HWFUEL_ONSITE_BURNER_EXEMPT | Small Quantity On-Site Burner Exemption | SI-10-A-5 |

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HWFUEL_FURNACE_EXEMPT | Smelting, Melting, Refining Furnace Exemption | SI-10-A-5 |
| UNDERGROUND_INJECTION_ACTIVITY | Underground Injection Control | SI-10-A-6 |
| INCLUDE_IN_NATIONAL_REPORT | Include this Information in the National Hazardous Waste Report | |

* Required if MAIL_COUNTRY is blank or MAIL_COUNTRY = 'UNITED STATES'.

## REQUIRED FIELDS FOR FLAT FILE SI2

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| GEN_BATTERIES | Large Quantity Generator of Batteries | SI-10-B-1-A |
| ACC_BATTERIES | Large Quantity Accumulator of Batteries | SI-10-B-1-A |
| GEN_PESTICIDES | Large Quantity Generator of Pesticides | SI-10-B-1-B |
| ACC_PESTICIDES | Large Quantity Accumulator of Pesticides | SI-10-B-1-B |
| GEN_THERMOSTATS | Large Quantity Generator of Thermostats | SI-10-B -1-C |
| ACC_THERMOSTATS | Large Quantity Accumulator of Thermostats | SI-10-B-1-C |
| GEN_LAMPS | Large Quantity Generator of Lamps | SI-10-B-1-D |
| ACC_LAMPS | Large Quantity Accumulator of Lamps | SI-10-B-1-D |
| UNIVERSAL_WASTE_DEST_FACILITY | Destination Facility for Universal Waste | SI-10-B-2 |
| USED_OIL_TRANSPORTER | Used Oil Transporter | SI-10-C-1-A |
| USED_OIL_TRANSFER_FACILITY | Used Oil Transfer Facility | SI-10-C-1-B |
| USED_OIL_PROCESSOR | Used Oil Processor | SI-10-C-2-A |
| USED_OIL_REFINER | Used Oil Refiner | SI-10-C-2-B |
| USED_OIL_BURNER | Off-Specification Used Oil Burner | SI-10-C-3 |
| USED_OIL_MARKET_BURNER | Used Oil Fuel Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner | SI-10-C-4-A |
| USED_OIL_SPEC_MARKETER | Used Oil Fuel Marketer Who First Claims the Used Oil Meets the Specifications | SI-10-C-4-B |

## REQUIRED FIELDS FOR FLAT FILE SI6

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| NAICS_SEQ | NAICS Sequence Number | |
| NAICS_CODE | North American Industry Classification System Code | SI-6 |

## REQUIRED FIELDS FOR FLAT FILE SI7

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| CERT_SEQ | Certification Sequence Number | |
| CERT_FIRST_NAME | Certification First Name | SI-13 |
| CERT_LAST_NAME | Certification Last Name | SI-13 |
| CERT_TITLE | Certification Title | SI-13 |
| CERT_SIGNED_DATE | Date Certification Was Signed | SI-13 |

## REQUIRED FIELDS FOR FLAT FILE SI9

***NOTE: INFORMATION MUST BE PROVIDED FOR BOTH CURRENT OWNER AND CURRENT OPERATOR***

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| OWNER_OPERATOR_SEQ_NO | Owner/Operator Sequence Number | |
| OWNER_OPERATOR_INDICATOR | Owner/Operator Indicator | |
| OWNER_OPERATOR_NAME | Site's Legal Owner/Operator | SI-9-A, SI-9-B |
| OWNER_OPERATOR_DATE | Date Became Owner/Operator | SI-9-A, SI-9-B |
| OWNER_OPERATOR_TYPE | Owner/Operator Type | SI-9-A, SI-9-B |

## REQUIRED FIELDS FOR FLAT FILE GM1

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| UNIT_OF_MEASURE | Unit of Measure | GM-1-G |
| WST_DENSITY* | Density | GM-1-G |
| DENSITY_UNIT_OF_MEASURE* | Density Unit of Measure | GM-1-G |
| ORIGIN_MANAGEMENT_METHOD** | Origin management method for source code G25 | GM-1-D |
| SOURCE_CODE | Source Code | GM-1-D |
| GEN_QTY | Quantity Generated in Reporting Year | GM-1-F |
| INCLUDE_IN_NATIONAL_REPORT | Include Information in the National Hazardous Waste Report | |
| ON_SITE_MANAGEMENT | Was any of this waste managed on-site during 2005 | GM-2 |
| OFF_SITE_SHIPMENT | Was any of this waste shipped off-site in 2005 for treatment, disposal, or recycling | GM-3-A |

* Required only if the unit of measure = 5 (gallons), 6 (liters), or 7 (cubic yards).
** Required only if the source code is G25.

## REQUIRED FIELDS FOR FLAT FILE GM2 OR GM3*

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| WASTE_CODE | EPA/State Hazardous Waste Code | GM-1-B / GM-1-C |

* For each waste stream, either EPA Hazardous Waste Code information must be provided (GM2) or State Hazardous Waste Code information must be provided (GM3).

## REQUIRED FIELDS FOR FLAT FILE GM4*

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| IO_PG_NUM_SEQ | Off-site Sequence Number | GM-3 Site# Block |
| IO_TDR_ID | EPA ID Number of the Off-Site Facility Shipped To | GM-3-B |
| IO_TDR_QTY | Total Quantity Shipped to EPA ID in Current Reporting Year | GM-3-D |

* If the off-site shipment indicator in GM1 is equal to 'Y' then Off-site Shipment information (GM4) must be provided.

## REQUIRED FIELDS FOR FLAT FILE GM5*

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| SYS_PG_NUM_SEQ | On-Site Sequence Number | GM-2 System# Block |
| MANAGEMENT_METHOD | On-Site Management Method | GM-2 |
| SYS_TDR_QTY | Quantity Treated, Disposed, or Recycled On-site in Current Reporting Year | GM-2 |

*If the on-site management indicator in GM1 is equal to 'Y' then On-Site Management information (GM5) must be provided.

## REQUIRED FIELDS FOR FLAT FILE WR1

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| SUB_PG_NUM | Waste Number | |
| UNIT_OF_MEASURE | Unit of Measure | WR-F |
| WST_DENSITY* | Density | WR-F |
| DENSITY_UNIT_OF_MEASURE* | Density Unit of Measure | WR-F |
| MANAGEMENT_METHOD | Management Method | WR-H |
| IO_TDR_ID | Off-site Source EPA ID Number | WR-D |
| IO_TDR_QTY | Quantity Received in Current Reporting Year | WR-E |
| INCLUDE_IN_NATIONAL_REPORT | Include Information in the National Hazardous Waste Report | |

* Required only if the unit of measure = 5 (gallons), 6 (liters), or 7 (cubic yards).

## REQUIRED FIELDS FOR FLAT FILE WR2 OR WR3*

| FIELD NAME | DESCRIPTION | FORM LOCATION |
|---|---|---|
| HANDLER_ID | EPA Identification Number | SI-2 |
| HZ_PG | Page Number | |
| SUB_PG_NUM | Waste Number | |
| WASTE_CODE | EPA/State Hazardous Waste Code | WR-B / WR-C |

* For each waste stream, either EPA Hazardous Waste Code information must be provided (WR2) or State Hazardous Waste Code information must be provided (WR3).

# APPENDIX B

## Flat File Specifications

# APPENDIX B - Flat File Specifications

## B.1 Key For Flat File Tables

**Data Type**

| | |
|---|---|
| A | Alphanumeric |
| I | Integer |
| D | Fixed Decimal |

## B.2 Flat File Naming Convention

Flat files names are constructed in the following manner:

SSFFFNNN.FIL

Where:

| | | |
|---|---|---|
| SS | = | State Postal Code |
| FFF | = | Flat file identifier (for example, GM1 or GM2) |
| NNN | = | Julian Date when file was created |

Files must be named using all **uppercase** characters.

**Note:** The three-character file ID distinguishes each flat file produced during the translation. For example, the correct name for the SI3 file, containing VA data, produced on January 4th, is VASI3004.FIL.

## B.3 Flat Files

### FLAT FILE ID# - CTL

**Source Form:** NA **Description:** Name and statistical information for each flat file being submitted

This file is used to describe the flat files being submitted electronically. There must be one record in the control file for each flat file being submitted. Each CTL record contains a flat file name (field 1), the date the flat file was created in "CCYYMMDD" format (field 2), and the number of records (lines) in the flat file (field 3).

When creating the Control File, first list records SI1-SI9, followed by GM1-GM5, followed by WR1-WR3. The control file must never contain entries for file OI1. Only create control records for files that contain one or more records.

File name must be in **uppercase** characters in the following format: SS**CTL**NNN.**FIL** where SS = State Postal Code and NNN = Julian Date when file was created.

| Field Number | Starting Column | Field Length | Data Type | Description | Edit Number |
|---|---|---|---|---|---|
| 1 | 1 | 12 | A | File Name | CL000, CL010, CL020, CL030 |
| 2 | 13 | 8 | I | Date Created (Format = CCYYMMDD) | CL040 |
| 3 | 21 | 8 | I | Record Count | CL050 |
| 4 | 29 | 4 | I | BR Reporting Cycle Year (2005) | CL060 |
| **Total Record Length:** | | **32** | | | |

## FLAT FILE ID# - SI1

**Source Form:** Site ID **Description:** Handler Identification, Address, and Hazardous Waste Activities Information

This file must contain one and only one record for each Handler ID reporting. Also, any Handler ID appearing as the key in ANY of the "GM", "WR", or "OI" files must also be present in this file.

Key Fields: Handler ID Number (HANDLER_ID). Each record in the SI1 file must contain a unique Handler ID Number.

*Note: The SI1 file is REQUIRED. One record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI000, SI005 |
| 2 | SUBMITTAL_REASON | 13 | 1 | A | Reason for Submittal (As a component of the Hazardous Waste Report = 'R', As a component of the Hazardous Waste Report AND any other reason for submittal = 'B') | SI-1 | SI015 |
| 3 | NAME | 14 | 40 | A | Name | SI-3 | SI020 |
| 4 | LOCATION_STREET_NO | 54 | 12 | A | Location Street Number | SI-4 | |
| 5 | LOCATION_STREET1 | 66 | 30 | A | Location Street 1 | SI-4 | SI040 |
| 6 | LOCATION_STREET2 | 96 | 30 | A | Location Street 2 | SI-4 | |
| 7 | LOCATION_CITY | 126 | 25 | A | Location City | SI-4 | SI050 |
| 8 | COUNTY_NAME | 151 | 25 | A | County Name | SI-4 | SI060 |
| 9 | LOCATION_STATE | 176 | 2 | A | Location State | SI-4 | SI070, SI090 |
| 10 | LOCATION_ZIP | 178 | 14 | A | Location Zip Code | SI-4 | SI080, SI085 |
| 11 | MAIL_STREET_NO | 192 | 12 | A | Mailing Street Number | SI-7 | |
| 12 | MAIL_STREET1 | 204 | 30 | A | Mailing Street 1 | SI-7 | SI100 |
| 13 | MAIL_STREET2 | 234 | 30 | A | Mailing Street 2 | SI-7 | |

## FLAT FILE ID# - SI1

**Source Form:** Site ID **Description:** Handler Identification, Address, and Hazardous Waste Activities Information

This file must contain one and only one record for each Handler ID reporting. Also, any Handler ID appearing as the key in ANY of the "GM", "WR", or "OI" files must also be present in this file.

Key Fields: Handler ID Number (HANDLER_ID). Each record in the SI1 file must contain a unique Handler ID Number.

*Note: The SI1 file is REQUIRED. One record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 14 | MAIL_CITY | 264 | 25 | A | Mailing City | SI-7 | SI110 |
| 15 | MAIL_STATE | 289 | 2 | A | Mailing State | SI-7 | SI120 |
| 16 | MAIL_COUNTRY | 291 | 50 | A | Mailing Country Name | SI-7 | SI140 |
| 17 | MAIL_ZIP | 341 | 14 | A | Mailing Zip Code | SI-7 | SI130, SI135 |
| 18 | LAND_TYPE | 355 | 1 | A | Site Land Type (Private = 'P', County = 'C', District = 'D', Federal = 'F', Indian = 'I', Municipal = 'M', State = 'S', Other = 'O', Unchecked = ' ') | SI-5 | SI310 |
| 19 | CONTACT_FIRST_NAME | 356 | 15 | A | Contact First Name | SI-8 | SI150 |
| 20 | CONTACT_MIDDLE_INITIAL | 371 | 1 | A | Contact Middle Initial | SI-8 | |
| 21 | CONTACT_LAST_NAME | 372 | 15 | A | Contact Last Name | SI-8 | SI160 |
| 22 | CONTACT_PHONE | 387 | 10 | A | Contact Phone Number | SI-8 | SI170 |
| 23 | CONTACT_PHONE_EXT | 397 | 6 | A | Contact Phone Number Extension | SI-8 | |
| 24 | STATE_GENERATOR_STATUS | 403 | 1 | A | State Specific Generator Status | SI-10-A-1 | SI175 |
| 25 | GENERATOR_ACTIVITY | 404 | 1 | A | Generator Activity (LQG = '1', SQG = '2', CESQG = '3', Not a generator = 'N') | SI-10-A-1 | SI180 |
| 26 | IMPORTER_ACTIVITY | 405 | 1 | A | U.S. Importer of Hazardous Waste (Yes = 'Y', No = 'N') | SI-10-A-1 | SI460 |

## FLAT FILE ID# - SI1

**Source Form:** Site ID **Description:** Handler Identification, Address, and Hazardous Waste Activities Information

This file must contain one and only one record for each Handler ID reporting. Also, any Handler ID appearing as the key in ANY of the "GM", "WR", or "OI" files must also be present in this file.

Key Fields: Handler ID Number (HANDLER_ID). Each record in the SI1 file must contain a unique Handler ID Number.

*Note: The SI1 file is REQUIRED. One record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 27 | MIXED_WASTE_GENERATOR | 406 | 1 | A | Mixed Waste (hazardous and radioactive) Generator (Yes = 'Y', No = 'N') | SI-10-A-1 | SI470 |
| 28 | TRANSPORTER_ACTIVITY | 407 | 1 | A | Transporter of Hazardous Waste (Yes = 'Y', No = 'N') | SI-10-A-2 | SI480 |
| 29 | TSD_ACTIVITY | 408 | 1 | A | Treater, Storer, or Disposer of Hazardous Waste (Yes = 'Y', No = 'N') | SI-10-A-3 | SI190 |
| 30 | RECYCLER_ACTIVITY | 409 | 1 | A | Recycler of Hazardous Waste (Yes = 'Y', No = 'N') | SI-10-A-4 | SI490 |
| 31 | HWFUEL_ONSITE_BURNER_EXEMPT | 410 | 1 | A | Small Quantity On-Site Burner Exemption (Yes = 'Y', No = 'N') | SI-10-A-5 | SI500 |
| 32 | HWFUEL_FURNACE_EXEMPT | 411 | 1 | A | Smelting, Melting, Refining Furnace Exemption (Yes = 'Y', No = 'N') | SI-10-A-5 | SI510 |
| 33 | UNDERGROUND_INJECTION_ACTIVITY | 412 | 1 | A | Underground Injection Control (Yes = 'Y', No = 'N') | SI-10-A-6 | SI520 |
| 34 | INCLUDE_IN_NATIONAL_REPORT | 413 | 1 | A | Include this Information in the National Hazardous Waste Report (Yes = 'Y', No = 'N') | | SI999 |
| 35 | NOTES | 414 | 240 | A | Comments/Notes | SI-12 | |
| 36 | CONTACT_EMAIL | 654 | 240 | A | Contact E-Mail Address | | |
| 37 | STATE_DISTRICT | 894 | 10 | A | State District | | |
| **Total Record Length:** | | | **903** | | | | |

## FLAT FILE ID# - SI2

**Source Form:** Site ID **Description:** Handler Universal Waste and Used Oil Activities

This file captures the information contained in Section 10, Block B, Questions 1A - 1D of the Site ID form. This file should contain one and only one record for each Handler ID reporting.

Key Fields: Handler ID Number (HANDLER_ID). Each record in the SI2 file must contain a unique Handler ID Number.

*Note: The SI2 file is REQUIRED. One record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI530 |
| 2 | GEN_BATTERIES | 13 | 1 | A | Large Quantity Generator of Batteries (Yes = 'Y', No = 'N') | SI-10-B-1-A | SI540 |
| 3 | ACC_BATTERIES | 14 | 1 | A | Large Quantity Accumulator of Batteries (Yes = 'Y', No = 'N') | SI-10-B-1-A | SI550 |
| 4 | GEN_PESTICIDES | 15 | 1 | A | Large Quantity Generator of Pesticides (Yes = 'Y', No = 'N') | SI-10-B-1-B | SI560 |
| 5 | ACC_PESTICIDES | 16 | 1 | A | Large Quantity Accumulator of Pesticides (Yes = 'Y', No = 'N') | SI-10-B-1-B | SI570 |
| 6 | GEN_THERMOSTATS | 17 | 1 | A | Large Quantity Generator of Thermostats (Yes = 'Y', No = 'N') | SI-10-B-1-C | SI580 |
| 7 | ACC_THERMOSTATS | 18 | 1 | A | Large Quantity Accumulator of Thermostats (Yes = 'Y', No = 'N') | SI-10-B-1-C | SI590 |
| 8 | GEN_LAMPS | 19 | 1 | A | Large Quantity Generator of Lamps (Yes = 'Y', No = 'N') | SI-10-B-1-D | SI600 |
| 9 | ACC_LAMPS | 20 | 1 | A | Large Quantity Accumulator of Lamps (Yes = 'Y', No = 'N') | SI-10-B-1-D | SI610 |
| 10 | UNIVERSAL_WASTE_DEST_FACILITY | 21 | 1 | A | Destination Facility for Universal Waste (Yes = 'Y', No = 'N') | SI-10-B-2 | SI620 |

## FLAT FILE ID# - SI2

**Source Form:** Site ID **Description:** Handler Universal Waste and Used Oil Activities

This file captures the information contained in Section 10, Block B, Questions 1A - 1D of the Site ID form. This file should contain one and only one record for each Handler ID reporting.

Key Fields: Handler ID Number (HANDLER_ID). Each record in the SI2 file must contain a unique Handler ID Number.

*Note: The SI2 file is REQUIRED. One record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 11 | USED_OIL_TRANSPORTER | 22 | 1 | A | Used Oil Transporter (Yes = 'Y', No = 'N') | SI-10-C-1-A | SI630 |
| 12 | USED_OIL_TRANSFER_FACILITY | 23 | 1 | A | Used Oil Transfer Facility (Yes = 'Y', No = 'N') | SI-10-C-1-B | SI640 |
| 13 | USED_OIL_PROCESSOR | 24 | 1 | A | Used Oil Processor (Yes = 'Y', No = 'N') | SI-10-C-2-A | SI650 |
| 14 | USED_OIL_REFINER | 25 | 1 | A | Used Oil Re-refiner (Yes = 'Y', No = 'N') | SI-10-C-2-B | SI660 |
| 15 | USED_OIL_BURNER | 26 | 1 | A | Off-Specification Used Oil Burner (Yes = 'Y', No = 'N') | SI-10-C-3 | SI670 |
| 16 | USED_OIL_MARKET_BURNER | 27 | 1 | A | Used Oil Fuel Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner (Yes = 'Y', No = 'N') | SI-10-C-4-A | SI680 |
| 17 | USED_OIL_SPEC_MARKETER | 28 | 1 | A | Used Oil Fuel Marketer Who First Claims the Used Oil Meets the Specifications (Yes = 'Y', No = 'N') | SI-10-C-4-B | SI690 |
| **Total Record Length:** | | | **28** | | | | |

## FLAT FILE ID# - SI3

**Source Form:** Site ID **Description:** Handler Other Universal Waste Activities

This file captures the information contained in Section 10, Block B, Question 1E of the Site ID form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple other waste activities for each site.

Key Fields: Handler ID Number (HANDLER_ID); Other Universal Waste Activities (UNIVERSAL_WASTE). Each record in the SI3 file must contain a unique combination of the Handler ID Number and Other Universal Waste Activities.

*Note: The SI3 file is NOT REQUIRED. The edits for this file apply only if you provide data for this file.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI700 |
| 2 | UNIVERSAL_WASTE | 13 | 1 | A | Other Universal Waste Activities | SI-10-B-1-E | SI720 |
| 3 | GENERATED | 14 | 1 | A | Generated Other Universal Waste Activities (Yes = 'Y', No = 'N') | SI-10-B-1-E | SI730, SI750 |
| 4 | ACCUMULATED | 15 | 1 | A | Accumulated Other Universal Waste Activities (Yes = 'Y', No = 'N') | SI-10-B-1-E | SI740, SI750 |
| **Total Record Length:** | | | **15** | | | | |

## FLAT FILE ID# - SI4

**Source Form:** Site ID **Description:** Waste Codes for Federally Regulated Hazardous Wastes

This file captures the information contained in Section 11, Block A of the Site ID form. The relationship of these data records to the reported site is *n*: 1, that is, there can be multiple federal waste codes for each site.

Key Fields: Handler ID Number (HANDLER_ID); Federal Waste Code (EPA_WASTE_CODE). Each record in the SI4 file must contain a unique combination of the Handler ID Number and Federal Waste Code.

*Note: The SI4 file is NOT REQUIRED. The edits for this file apply only if you provide data for this file.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI760 |
| 2 | EPA_WASTE_CODE | 13 | 4 | A | Waste Codes for Federally Regulated Hazardous Wastes | SI-11-A | SI780 |
| **Total Record Length:** | | | **16** | | | | |

## FLAT FILE ID# - SI5

**Source Form:** Site ID **Description:** Waste Codes for State-Regulated Hazardous Wastes

This file captures the information contained in Section 11, Block B of the Site ID form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple state waste codes for each site.

Key Fields: Handler ID Number (HANDLER_ID); State Waste Code (STATE_WASTE_CODE). Each record in the SI5 file must contain a unique combination of the Handler ID Number and State Waste Code.

*Note: The SI5 file is NOT REQUIRED. The edits for this file apply only if you provide data for this file.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI790 |
| 2 | STATE_WASTE_CODE | 13 | 6 | A | Waste Code for State-Regulated Hazardous Waste | SI-11-B | SI810 |
| **Total Record Length:** | | | **18** | | | | |

## FLAT FILE ID# - SI6

**Source Form:** Site ID **Description:** North American Industry Classification System Codes for the Site

This file captures the information contained in Section 6 of the Site ID form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple NAICS for each site.

Key Fields: Handler ID Number (HANDLER_ID); NAICS Sequence Number (NAICS_SEQ). Each record in the SI6 file must contain a unique combination of the Handler ID Number and the NAICS Sequence Number.

*Note: The SI6 file is REQUIRED. At least one record with a sequence number of 1 must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI200, SI230 |
| 2 | NAICS_SEQ | 13 | 4 | I | NAICS Sequence Number | Assigned by Respondent | SI210, SI235 |
| 3 | NAICS_CODE | 17 | 6 | A | North American Industry Classification System Code | SI-6 | SI220 |
| **Total Record Length:** | | | **22** | | | | |

## FLAT FILE ID# - SI7

**Source Form:** Site ID **Description:** Site Identification Form Certification

This file captures the information contained in Section 13 of the Site ID form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple certifications for each site.

Key Fields: Handler ID Number (HANDLER_ID); Certification Sequence Number (CERT_SEQ). Each record in the SI7 file must contain a unique combination of the Handler ID Number and Certification Sequence Number.

*Note: The SI7 file is REQUIRED. At least one record must be provided for each handler.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | SI-2 | SI240, SI290 |
| 2 | CERT_SEQ | 13 | 2 | I | Certification Sequence Number | Assigned by Respondent | SI250 |
| 3 | CERT_FIRST_NAME | 15 | 15 | A | Certification First Name | SI-13 | SI265 |
| 4 | CERT_MIDDLE_INITIAL | 30 | 1 | A | Certification Middle Initial | SI-13 | |
| 5 | CERT_LAST_NAME | 31 | 15 | A | Certification Last Name | SI-13 | SI260 |
| 6 | CERT_TITLE | 46 | 15 | A | Certification Title | SI-13 | SI270 |
| 7 | CERT_SIGNED_DATE | 61 | 8 | I | Date Certification was Signed (CCYYMMDD) | SI-13 | SI280 |
| **Total Record Length:** | | | **68** | | | | |

## FLAT FILE ID# - SI8

**Source Form:** NA **Description:** State Specific Activities

This file reports the state specific activities for each site. Although not on the EPA Form 8700-13A/B, this file is available for states who wish to report this information. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple state specific activities for each site.

Key Fields: Handler ID Number (HANDLER_ID); State Activity Type (STATE_ACTIVITY_TYPE). Each record in the SI8 file must contain a unique combination of the Handler ID Number and State Activity Type.

*Note: The SI8 file is NOT REQUIRED. The edits for this file apply only if you provide data for this file.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | | SI820 |
| 2 | STATE_ACTIVITY_TYPE | 13 | 5 | A | State Activity Type | | SI830 |
| 3 | NOTES | 18 | 240 | A | Notes/Comments | | |
| **Total Record Length:** | | | **257** | | | | |

## FLAT FILE ID# - SI9

**Source Form:** Site ID **Description:** Owner/Operator Name and Address

This file reports the owner and operator name and address for each site. The owner/operator name, date and type are on the EPA Form 8700-13A/B. The file specification includes owner/operator address information for states who wish to report this information. The relationship of these data records to the reported site is n:1, that is, there can be multiple owner and operator names and addresses for each site.

Key Fields: Handler ID Number (HANDLER_ID); Owner/Operator Sequence Number (OWNER_OPERATOR_SEQ_NO) . Each record in the SI9 file must contain a unique combination of the Handler ID Number and Owner/Operator Sequence Number.

*Note: The SI9 file is REQUIRED . At least two records must be provided for each handler - one record for current owner and one record for current operator.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA Identification Number | | SI840 |
| 2 | OWNER_OPERATOR_SEQ_NO | 13 | 4 | I | Owner/Operator Sequence Number | | |
| 3 | OWNER_OPERATOR_INDICATOR | 17 | 2 | A | Owner/Operator Indicator (Current Owner = 'CO', Current Operator = 'CP') | | SI910, SI920 |
| 4 | OWNER_OPERATOR_NAME | 19 | 40 | A | Site's Legal Owner/Operator | SI-9-A, SI-9-B | SI440 |
| 5 | OWNER_OPERATOR_DATE | 59 | 8 | I | Date Became Owner/Operator (CCYYMMDD) | SI-9-A, SI-9-B | SI420 |
| 6 | OWNER_OPERATOR_TYPE | 67 | 1 | A | Owner/Operator Type (Private = 'P', County = 'C', District = 'D', Federal = 'F', Indian = 'I', Municipal = 'M', State = 'S', Other = 'O') | SI-9-A, SI-9-B | SI430 |
| 7 | OWNER_OPERATOR_STREET_NO | 68 | 12 | A | Owner/Operator Street Number | SI-9-A | |
| 8 | OWNER_OPERATOR_STREET1 | 80 | 30 | A | Owner/Operator Street 1 | SI-9-A | |
| 9 | OWNER_OPERATOR_STREET2 | 110 | 30 | A | Owner/Operator Street 2 | SI-9-A | |
| 10 | OWNER_OPERATOR_CITY | 140 | 25 | A | Owner/Operator City | SI-9-A | |
| 11 | OWNER_OPERATOR_STATE | 165 | 2 | A | Owner/Operator State | SI-9-A | SI850 |

## FLAT FILE ID# - SI9

**Source Form:** Site ID **Description:** Owner/Operator Name and Address

This file reports the owner and operator name and address for each site. The owner/operator name, date and type are on the EPA Form 8700-13A/B. The file specification includes owner/operator address information for states who wish to report this information. The relationship of these data records to the reported site is n:1, that is, there can be multiple owner and operator names and addresses for each site.

Key Fields: Handler ID Number (HANDLER_ID); Owner/Operator Sequence Number (OWNER_OPERATOR_SEQ_NO) . Each record in the SI9 file must contain a unique combination of the Handler ID Number and Owner/Operator Sequence Number.

*Note: The SI9 file is REQUIRED . At least two records must be provided for each handler - one record for current owner and one record for current operator.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 12 | OWNER_OPERATOR_ZIP | 167 | 14 | A | Owner/Operator Zip Code | SI-9-A | SI870 |
| 13 | OWNER_OPERATOR_COUNTRY | 181 | 50 | A | Owner/Operator Country | SI-9-A | SI890 |
| 14 | OWNER_OPERATOR_NOTES | 231 | 240 | A | Owner/Operator Notes | | |
| **Total Record Length:** | | | **470** | | | | |

## FLAT FILE ID# - GM1

**Source Form:** GM **Description**: Waste Measurement Information

This file captures data elements that have a 1:1 relationship to the reported waste. These data elements are as follows: GM Section 1, Block A and Blocks D through G.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG). Each record in the GM1 file must contain a unique combination of the Handler ID Number and Page Number.

*Note: The GM1 File is REQUIRED for handlers that generated RCRA hazardous waste that, in 2005, was accumulated on-site; managed on-site in a treatment, storage, or disposal unit; and / or shipped off-site for management.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | GM000 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned By Respondent | GM010 |
| 3 | FORM_CODE | 18 | 4 | A | Waste Form Code | GM-1-E | GM220 |
| 4 | UNIT_OF_MEASURE | 22 | 1 | A | Unit of Measure (Pounds = '1', Short Tons = '2', Kilograms = '3', Metric Tonnes = '4', Gallons = '5', Liters = '6', Cubic Yards = '7') | GM-1-G | GM020 |
| 5 | WST_DENSITY | 23 | 6 | D3.2 | Density | GM-1-G | GM030, GM040 |
| 6 | DENSITY_UNIT_OF_MEASURE | 29 | 1 | A | Density Unit of Measure (lbs/gal = '1', sg = '2') | GM-1-G | GM030 |
| 7 | ORIGIN_MANAGEMENT_METHOD | 30 | 4 | A | Origin management method for source code G25 | GM-1-D | GM230 |
| | ***OBSOLETE FIELD*** | 34 | 1 | A | Obsolete Field - must leave blank (formerly RCRA-Radioactive Mix) | | |
| 8 | SOURCE_CODE | 35 | 3 | A | Source Code | GM-1-D | GM270 |
| 9 | GEN_QTY | 38 | 18 | D11.6 | Quantity Generated in Reporting Year | GM-1-F | GM050 |

## FLAT FILE ID# - GM1

**Source Form:** GM **Description**: Waste Measurement Information

This file captures data elements that have a 1:1 relationship to the reported waste. These data elements are as follows: GM Section 1, Block A and Blocks D through G.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG). Each record in the GM1 file must contain a unique combination of the Handler ID Number and Page Number.

*Note: The GM1 File is REQUIRED for handlers that generated RCRA hazardous waste that, in 2005, was accumulated on-site; managed on-site in a treatment, storage, or disposal unit; and / or shipped off-site for management.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 10 | INCLUDE_IN_NATIONAL_REPORT | 56 | 1 | A | Include Information in the National Hazardous Waste Report (Yes = 'Y', No = 'N') | | GM310 |
| 11 | DESCRIPTION | 57 | 240 | A | Waste Stream Description | GM-1-A | |
| 12 | NOTES | 297 | 240 | A | Comments/Notes | Bottom of GM Form | |
| 13 | ON_SITE_MANAGEMENT | 537 | 1 | A | Was this Waste Stream Managed On-Site (Yes = 'Y', No = 'N') | GM-2 | GM320, GM330, GM335 |
| 14 | OFF_SITE_SHIPMENT | 538 | 1 | A | Was this Waste Stream Shipped Off-Site (Yes = 'Y', No = 'N') | GM-3-A | GM340, GM350, GM355 |
| **Total Record Length:** | | | **538** | | | | |

## FLAT FILE ID# - GM2

**Source Form:** GM **Description:** EPA Hazardous Waste Codes for each GM page

This file captures the information contained in Section 1, Block B of the GM form. The relationship of these data records to the reported waste is *n*:1, that is, there can be multiple EPA waste codes for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); EPA Hazardous Waste Code (EPA_WASTE_CODE). Each record in the GM2 file must contain a unique combination of the Handler ID Number, Page Number, and EPA Hazardous Waste Code.

*Note: For each waste stream, either EPA Hazardous Waste Code information (GM2) is REQUIRED or State Hazardous Waste Code information (GM3) is REQUIRED.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | GM060, GM100 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | EPA_WASTE_CODE | 18 | 4 | A | EPA Hazardous Waste Code | GM-1-B | GM090 |
| **Total Record Length:** | | | **21** | | | | |

## FLAT FILE ID# - GM3

**Source Form:** GM **Description:** State Hazardous Waste Codes for each GM page

This file captures the information contained in Section 1, Block C of the GM form. The relationship of these data records to the reported waste is *n*:1, that is, there can be multiple State waste codes for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); State Hazardous Waste Code (WASTE_CODE). Each record in the GM3 file must contain a unique combination of the Handler ID Number, Page Number, and State Hazardous Waste Code.

*Note: For each waste stream, either EPA Hazardous Waste Code information (GM2) is REQUIRED or State Hazardous Waste Code information (GM3) is REQUIRED.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | GM280 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by respondent | |
| 3 | WASTE_CODE | 18 | 6 | A | State Hazardous Waste Code | GM-1-C | GM300 |
| **Total Record Length:** | | | **23** | | | | |

## FLAT FILE ID# - GM4

**Source Form:** GM **Description:** Off-Site Management Information for the Reported Waste on Each GM Page

This file captures off-site treatment information for the reported waste as represented in GM Section 3, Blocks B through D. The relationship of these data records to the reported waste is *n*:1, that is, there can be multiple off-site information for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); Off-site Sequence Number (IO_PG_NUM_SEQ). Each record in the GM4 file must contain a unique combination of the Handler ID Number, Page Number, and Off-site Sequence Number.

*Note: The GM4 File is REQUIRED for handlers that generated RCRA hazardous waste that, in 2005, was shipped off-site for management.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | GM110 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | IO_PG_NUM_SEQ | 18 | 5 | I | Off-site Sequence Number | GM-3 Site# Block | GM120 |
| 4 | MANAGEMENT_METHOD | 23 | 4 | A | Off-site Management Method | GM-3-C | GM160 |
| 5 | IO_TDR_ID | 27 | 12 | A | EPA ID No. of Off-site Facility Shipped to | GM-3-B | GM140 |
| 6 | IO_TDR_QTY | 39 | 18 | D11.6 | Total Quantity Shipped to EPA ID in Field 5 in Current Reporting Year | GM-3-D | GM150 |
| **Total Record Length:** | | | **56** | | | | |

## FLAT FILE ID# - GM5

**Source Form:** GM **Description:** On-site Management Information for the Reported Waste on Each GM Page.

This file captures on-site treatment information as contained in Section 2 of the GM form. The relationship of the data element to the reported waste is *n*:1, that is, there can be multiple on-site information for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); On-site Sequence Number (SYS_PG_NUM_SEQ). Each record in the GM5 file must contain a unique combination of the Handler ID Number, Page Number, and On-site Sequence Number.

*Note: The GM5 File is REQUIRED for handlers that generated RCRA hazardous waste that, in 2005, was accumulated on-site or managed on-site in a treatment, storage, or disposal unit.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | GM170 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | SYS_PG_NUM_SEQ | 18 | 5 | I | On-site Sequence Number | GM-2 System# Block | GM180 |
| 4 | MANAGEMENT_METHOD | 23 | 4 | A | On-site Management Method | GM-2 | GM210 |
| 5 | SYS_TDR_QTY | 27 | 18 | D11.6 | Quantity Treated, Disposed, or Recycled On-site in Current Reporting Year | GM-2 | GM190 |
| **Total Record Length:** | | | **44** | | | | |

## FLAT FILE ID# - WR1

**Source Form:** WR **Description:** Received Waste Description and Measurement Information

This file captures the information contained in Block A and Blocks D through H of the WR form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple received waste for each site.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); Waste Number (SUB_PG_NUM). Each record in the WR1 file must contain a unique combination of Handler ID Number, Page Number, and Waste Number.

*Note: The WR1 is REQUIRED for handlers who, during 2005, received RCRA hazardous waste from off-site.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | WR000 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | WR010 |
| 3 | SUB_PG_NUM | 18 | 1 | I | Waste Number | Printed on Form | WR020 |
| 4 | FORM_CODE | 19 | 4 | A | Form Code | WR-G | WR180 |
| 5 | UNIT_OF_MEASURE | 23 | 1 | A | Unit of Measure (Pounds = '1', Short Tons = '2', Kilograms = '3', Metric Tonnes = '4', Gallons = '5', Liters = '6', Cubic Yards = '7') | WR-F | WR030 |
| 6 | WST_DENSITY | 24 | 6 | D3.2 | Density | WR-F | WR040, WR050 |
| 7 | DENSITY_UNIT_OF_MEASURE | 30 | 1 | A | Density Unit of Measure (lbs/gal = '1', sg = '2') | WR-F | WR040 |
| | ***OBSOLETE FIELD*** | 31 | 1 | A | Obsolete Field - must leave blank (formerly RCRA-Radioactive Mix) | | |
| 8 | MANAGEMENT_METHOD | 32 | 4 | A | Management Method | WR-H | WR060 |
| 9 | IO_TDR_ID | 36 | 12 | A | Off-site Source EPA ID Number | WR-D | WR070 |

## FLAT FILE ID# - WR1

**Source Form:** WR **Description:** Received Waste Description and Measurement Information

This file captures the information contained in Block A and Blocks D through H of the WR form. The relationship of these data records to the reported site is *n*:1, that is, there can be multiple received waste for each site.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); Waste Number (SUB_PG_NUM). Each record in the WR1 file must contain a unique combination of Handler ID Number, Page Number, and Waste Number.

*Note: The WR1 is REQUIRED for handlers who, during 2005, received RCRA hazardous waste from off-site.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 10 | IO_TDR_QTY | 48 | 18 | D11.6 | Quantity Received in Current Reporting Year | WR-E | WR080 |
| 11 | INCLUDE_IN_NATIONAL_REPORT | 66 | 1 | A | Include Information in the National Hazardous Waste Report (Yes = 'Y', No = 'N') | | WR230 |
| 12 | DESCRIPTION | 67 | 240 | A | Waste Stream Description | WR-A | |
| 13 | NOTES | 307 | 240 | A | Comments/Notes | Bottom of WR Form | |
| **Total Record Length:** | | | **546** | | | | |

## FLAT FILE ID# - WR2

**Source Form:** WR **Description:** EPA Hazardous Waste Codes for Each Reported Waste Received

This file contains the EPA hazardous waste codes for each WR form page as described in Form WR, Block B. The relationship of these data records to the reported waste is *n*:1, that is, there can be multiple EPA waste codes for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); Waste Number (SUB_PG_NUM); EPA Hazardous Waste Code (EPA_WASTE_CODE). Each record in the WR2 file must contain a unique combination of the Handler ID Number, Page Number, Waste Number, and EPA Hazardous Waste Code.

*Note: For each waste stream, either EPA Hazardous Waste Code information (WR2) is REQUIRED or State Hazardous Waste Code information (WR3) is REQUIRED.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | WR090, WR130 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | SUB_PG_NUM | 18 | 1 | I | Waste Number | Printed on Form | WR020 |
| 4 | EPA_WASTE_CODE | 19 | 4 | A | EPA Hazardous Waste Code | WR-B | WR110 |
| **Total Record Length:** | | | **22** | | | | |

## FLAT FILE ID# - WR3

**Source Form:** WR **Description:** State Hazardous Waste Codes for Each Reported Waste Received

This file contains the State hazardous waste codes for each WR form page as described in Form WR, Block C. The relationship of these data records to the reported waste is n:1, that is, there can be multiple State waste codes for each unique reported waste.

Key Fields: Handler ID Number (HANDLER_ID); Page Number (HZ_PG); Waste Number (SUB_PG_NUM); State Hazardous Waste Code (WASTE_CODE). Each record in the WR3 file must contain a unique combination of the Handler ID Number, Page Number, Waste Number, and State Hazardous Waste Code.

*Note: For each waste stream, either EPA Hazardous Waste Code information (GM2) is REQUIRED or State Hazardous Waste Code information (GM3) is REQUIRED.*

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | WR200 |
| 2 | HZ_PG | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | SUB_PG_NUM | 18 | 1 | I | Waste Number | Printed on Form | WR020 |
| 4 | WASTE_CODE | 19 | 6 | A | State Hazardous Waste Code | WR-C | WR220 |
| **Total Record Length:** | | | **24** | | | | |

## FLAT FILE ID# - OI1

**Source Form:** OI **Description:** Identification of All Handlers to Whom or From Whom Waste was Shipped, and Transporters

This file captures information from the OI form. *This flat file should never be included in submissions to RCRAInfo.*

Key Fields: Handler ID Number (HANDLER_ID); Page Number (OSITE_PGNUM). Each record in the OI1 file must contain a unique combination of EPA ID Number and Page Number.

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 1 | HANDLER_ID | 1 | 12 | A | EPA ID Number | Site ID Block | |
| 2 | OSITE_PGNUM | 13 | 5 | I | Page Number | Assigned by Respondent | |
| 3 | OFF_ID | 18 | 12 | A | Off-site Installation or Transporter EPA ID Number | OI-A | |
| 4 | WST_GEN_FLG | 30 | 1 | A | Handler Type = Generator (Checked = 'Y', Unchecked and not implementer required = 'U', Unchecked and implementer required = 'N') | OI-C | |
| 5 | WST_TRNS_FLG | 31 | 1 | A | Handler Type= Transporter (Checked = 'Y', Unchecked and not implementer required = 'U', Unchecked and implementer required = 'N') | OI-C | |
| 6 | WST_TSDR_FLG | 32 | 1 | A | Handler Type = TSDR (Checked = 'Y', Unchecked and not implementer required = 'U', Unchecked and implementer required = 'N') | OI-C | |
| 7 | ONAME | 33 | 40 | A | Name of Off-site Installation or Transporter | OI-B | |
| 8 | O1STREET | 73 | 30 | A | 1st Street Address Line of Installation or Transporter | OI-D | |
| 9 | O2STREET | 103 | 30 | A | 2nd Street Address Line of Installation or Transporter | OI-D | |
| 10 | OCITY | 133 | 25 | A | City | OI-D | |

## FLAT FILE ID# - OI1

**Source Form:** OI **Description:** Identification of All Handlers to Whom or From Whom Waste was Shipped, and Transporters

This file captures information from the OI form. *This flat file should never be included in submissions to RCRAInfo.*

Key Fields: Handler ID Number (HANDLER_ID); Page Number (OSITE_PGNUM). Each record in the OI1 file must contain a unique combination of EPA ID Number and Page Number.

| Field No. | Field Name | Starting Column | Field Length | Data Type | Description | Location on Form | Edit Number |
|---|---|---|---|---|---|---|---|
| 11 | OSTATE | 158 | 2 | A | State | OI-D | |
| 12 | OZIP | 160 | 9 | A | Zip Code | OI-D | |
| 13 | NOTES | 169 | 240 | A | Comments/Notes | Bottom of OI Form | |
| **Total Record Length:** | | | **408** | | | | |

# APPENDIX C

# Data Assessment Edits

# APPENDIX C - Data Assessment Edits

All data submitted must meet the appropriate data assessment edits. The data assessment edits for non-required data elements apply only if the data is provided. For child table records, data assessment edits apply only if the record is being submitted.

## C.1 Generic Data Edits

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| GN000 | All | A non-valid character was found in a character field. | CHARACTER = allowed value as specified in Section 4.3.1 |
| GN010 | All | Alphabetic character found in numeric field. | NUMERIC_DIGIT = allowed value as specified in Section 4.3.2 or Section 4.3.3 |
| GN020 | All | Duplicate records found in file submission. | Combination of key fields for specific file must be unique |

## C.2 Control File Edits

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| CL000 | Control File | The first two characters of the file name must be a valid state postal code (see Appendix F). | SUBSTR(FILE_NAME,1,2) = valid state postal code (see Appendix F). |
| CL010 | Control File | Flat files specified must be for the state for which data is being submitted. | SUBSTR(FILE_NAME,1,2) = state postal code of submission |
| CL020 | Control File | Characters 3-5 of the file name must be a valid flat file identifier (SI1, SI2, SI3, SI4, SI5, SI6, SI7, SI8, SI9, GM1, GM2, GM3, GM4, GM5, WR1, WR2, WR3). | SUBSTR(FILE_NAME,3,3) = SI1 or SI2 or SI3 or SI4 or SI5 or SI6 or SI7 or SI8 or SI9 or GM1 or GM2 or GM3 or GM4 or GM5 or WR1 or WR2 or WR3 |
| CL030 | Control File | Characters 6-8 must be greater than zero and less than or equal to 366. | SUBSTR(FILE_NAME,6,3) > 0 AND <= 366 |
| CL040 | Control File | The date created must be a valid date greater than 19000101 (January 1, 1900). | DATE_CREATED = valid date |
| CL050 | Control File | The record count must be greater than zero and less than or equal to 99,999,999. | RECORD_COUNT > 0 AND <= 99999999 |
| CL060 | Control File | The report cycle must be ‘2005’. | REPORT_CYCLE = ‘2005’ |

## C.3 Site Identification Form Edits

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI000 | SI-2 | The first two characters of the EPA ID must match the state code for which data is being submitted. | SUBSTR(HANDLER_ID,1,2) = state postal code of submission |
| SI005 | SI-1 / SI-2 | If the reason for submittal is for the Hazardous Waste Report, the EPA ID must already exist in RCRAInfo. | IF SUBMITTAL_REASON = 'R' THEN HANDLER_ID in HBASIC |
| SI015 | SI-1 | The reason for submittal must be 'R' or 'B'. | SUBMITTAL_REASON = 'R' or 'B' |
| SI020 | SI-3 | Handler name must be provided. | HANDLER_NAME <> ' ' |
| SI040 | SI-4 | Location street must be provided. | LOCATION_STREET_1 <> ' ' |
| SI050 | SI-4 | Location city, town, or village must be provided. | LOCATION_CITY <> ' ' |
| SI060 | SI-4 | Location county name must be a valid value. | COUNTY_NAME = county name provided in LU_COUNTY |
| SI070 | SI-4 | Location state must be a valid postal state (see Appendix F) | LOCATION_STATE = value specified in Appendix F. |
| SI080 | SI-4 | Location zip code must be provided. | LOCATION_ZIP <> ' ' |
| SI085 | SI-7 | Location zip code must contain only the characters 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or blank. | LOCATION_ZIP characters = '0', '1', '2', '3', '4', '5', '6', 7', '8', '9', ' ' |
| SI090 | SI-4 | The state indicated in the site location address must be the same as the first two characters of the site's EPA ID. | LOCATION_STATE = SUBSTR(HANDLER_ID,1,2) |
| SI100 | SI-7 | Mailing street must be provided. | MAIL_STREET1 <> ' ' |
| SI110 | SI-7 | Mailing city, town, or village must be provided. | MAIL_CITY <> ' ' |
| SI120 | SI-7 | If the mailing address is in the United States then the mailing state must be a valid postal state (see Appendix F). | If MAIL_COUNTRY = ' ' OR MAIL_COUNTRY = 'UNITED STATES' Then MAIL_STATE = value specified in Appendix F. |
| SI130 | SI-7 | Mailing zip code must be provided. | MAIL_ZIP <> ' ' |
| SI135 | SI-7 | Mailing zip code must contain only the characters 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or blank. | MAIL_ZIP characters = '0', '1', '2', '3', '4', '5', '6', 7', '8', '9', ' ' |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI140 | SI-7 | Mailing country name must be a valid value. If the mailing country is blank, a value of UNITED STATES will be assumed. | MAIL_COUNTRY = country name provided in LU_COUNTRY |
| SI150 | SI-8 | Contact last name must be provided. | CONTACT_LAST_NAME <> ' ' |
| SI160 | SI-8 | Contact first name must be provided. | CONTACT_FIRST_NAME <> ' ' |
| SI170 | SI-9 | Contact phone number must be provided. | CONTACT_PHONE <> ' ' |
| SI175 | SI-10-A-1 | State generator status must be registered with the RCRAInfo database. | STATE_GENERATOR_STATUS = implementer defined value in LU_GENERATOR_STATUS2 |
| SI180 | SI-10-A-1 | Generator of hazardous waste indicator must equal '1', '2', '3', or 'N'. | GENERATOR_ACTIVITY = '1' or '2' or '3' or 'N' |
| SI190 | SI-10-A-3 | Treater, Storer, or Disposer indicator must equal 'Y' or 'N'. | TSD_ACTIVITY = 'Y' or 'N' |
| SI200 | SI-2 | SI6 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |
| SI210 | SI- Assigned by respondent | NAICS sequence number must be greater than zero. | NAICS_SEQ > 0 |
| SI220 | SI-6 | North American industry classification system code must be a valid value. | NAICS_CODE = NAICS code provided in LU_NAICS |
| SI230 | SI-6 | NAICS data must be provided. | HANDLER_ID in SI1 file and in SI6 file |
| SI235 | SI-6 | One SI6 record with sequence number = 1 must be provided. | Record in SI6 where NAICS_SEQ = 1 |
| SI240 | SI-2 | SI7 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1file |
| SI250 | SI- Assigned by respondent | Certification sequence number must be greater than zero. | CERT_SEQ > 0 |
| SI260 | SI-13 | Certification last name must be provided. | CERT_LAST_NAME <> ' ' |
| SI265 | SI-13 | Certification first name must be provided. | CERT_FIRST_NAME <> ' ' |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI270 | SI-13 | Certification title must be provided. | CERT_TITLE <> ' ' |
| SI280 | SI-13 | Date certification was signed must be a valid date greater than 20050101 (January 1, 2005) and less than today. | CERT_SIGNED_DATE >= '20050101' AND CERT_SIGNED_DATE < TODAY |
| SI290 | SI-13 | Certification data must be provided. | HANDLER_ID in SI1 file and in SI7 file |
| SI310 | SI-5 | Site land type must equal 'P', 'C', 'D', 'F', 'I', 'M', 'S', or 'O'. | LAND_TYPE = 'P' or 'C' or 'D' or 'F' or 'I' or 'M' or 'S' or 'O' |
| SI420 | SI-9-A, SI-9-B | Owner / operator date must be a valid date greater than 1700101 (January 1, 1700). | OWNER_OPERATOR_DATE = valid date |
| SI430 | SI-9-A, SI-9-B | Owner / operator type must equal 'P', 'C', 'D', 'F', 'I', 'M', 'S', or 'O'. | OWNER_OPERATOR_TYPE = 'P' or 'C' or 'D' or 'F' or 'I' or 'M' or 'S' or 'O' |
| SI440 | SI-9-A, SI-9-B | Owner / operator name must be provided. | OWNER_OPERATOR_NAME <> ' '. |
| SI460 | SI-10-A-1 | Importer of hazardous waste indicator must equal 'Y' or 'N'. | IMPORTER_ACTIVITY = 'Y' or 'N' |
| SI470 | SI-10-A-1 | Mixed waste generator indicator must equal 'Y' or 'N'. | MIXED_WASTE_GENERATOR = 'Y' or 'N' |
| SI480 | SI-10-A-2 | Transporter indicator must equal 'Y' or 'N'. | TRANSPORTER_ACTIVITY = 'Y' or 'N' |
| SI490 | SI-10-A-4 | Recycler indicator must equal 'Y' or 'N'. | RECYCLER_ACTIVITY = 'Y' or 'N' |
| SI500 | SI-10-A-5 | Small quantity on-site burner exemption indicator must equal 'Y' or 'N'. | HWFUEL_ONSITE_BURNER_EXEMPT = 'Y' or 'N' |
| SI510 | SI-10-A-5 | Smelting, melting, refining furnace exemption indicator must equal 'Y' or 'N'. | HWFUEL_FURNACE_EXEMPT = 'Y' or 'N' |
| SI520 | SI-10-A-6 | Underground injection control indicator must equal 'Y' or 'N'. | UNDERGROUND_INJECTION_ACTIVITY = 'Y' or 'N' |
| SI530 | SI-2 | SI2 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID not in SI1 file |
| SI540 | SI-10-B-1-A | Large quantity generator of batteries indicator must equal 'Y' or 'N'. | GEN_BATTERIES = 'Y' or 'N' |
| SI550 | SI-10-B-1-A | Large quantity accumulator of batteries indicator must equal 'Y' or 'N'. | ACC_BATTERIES = 'Y' or 'N' |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI560 | SI-10-B-1-B | Large quantity generator of pesticides indicator must equal 'Y' or 'N'. | GEN_PESTICIES = 'Y' or 'N' |
| SI570 | SI-10-B-1-B | Large quantity accumulator of pesticides indicator must equal 'Y' or 'N'. | ACC_PESTICIDES = 'Y' or 'N' |
| SI580 | SI-10-B-1-C | Large quantity generator of thermostats indicator must equal 'Y' or 'N'. | GEN_THERMOSTATS = 'Y' or 'N' |
| SI590 | SI-10-B-1-C | Large quantity accumulator of thermostats indicator must equal 'Y' or 'N'. | ACC_THERMOSTATS = 'Y' or 'N' |
| SI600 | SI-10-B-1-D | Large quantity generator of lamps indicator must equal 'Y' or 'N'. | GEN_LAMPS = 'Y' or 'N' |
| SI610 | SI-10-B-1-D | Large quantity accumulator of lamps indicator must equal 'Y' or 'N'. | ACC_LAMPS = 'Y' or 'N' |
| SI620 | SI-10-B-2 | Destination facility for universal waste indicator must equal 'Y' or 'N'. | UNIVERSAL_WASTE_DEST_FACILITY = 'Y' or 'N' |
| SI630 | SI-10-C-1-A | Used oil transporter indicator must equal 'Y' or 'N'. | USED_OIL_TRANSPORTER = 'Y' or 'N' |
| SI640 | SI-10-C-1-B | Used oil transfer facility indicator must equal 'Y' or 'N'. | USED_OIL_TRANSFER_FACILITY = 'Y' or 'N' |
| SI650 | SI-10-C-2-A | Used oil processor indicator must equal 'Y' or 'N'. | USED_OIL_PROCESSOR = 'Y' or 'N' |
| SI660 | SI-10-C-2-B | Used oil re-refiner indicator must equal 'Y' or 'N'. | USED_OIL_REFINER = 'Y' or 'N' |
| SI670 | SI-10-C-3 | Off-specification used oil burner indicator must equal 'Y' or 'N'. | USED_OIL_BURNER = 'Y' or 'N' |
| SI680 | SI-10-C-4-A | Used oil fuel marketer who directs shipment of off-specification used oil to off-specification used oil burner indicator must equal 'Y' or 'N'. | USED_OIL_MARKET_BURNER = 'Y' or 'N' |
| SI690 | SI-10-C-4-B | Used oil fuel marketer who first claims the used oil meets the specification indicator must equal 'Y' or 'N'. | USED_OIL_SPEC_MARKETER = 'Y' or 'N' |
| SI700 | SI-2 | SI3 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI720 | SI-10-B-1-E | Other universal waste activities must be an implementer defined value other than 'B', 'P', 'T', or 'L'. | UNIVERSAL_WASTE = implementer defined value in LU_UNIVERSAL_WASTE. |
| SI730 | SI-10-B-1-E | Generated other universal waste activities indicator must equal 'Y' or 'N'. | GENERATED = 'Y' or 'N' |
| SI740 | SI-10-B-1-E | Accumulated other universal waste activities indicator must equal 'Y' or 'N'. | ACCUMULATED = 'Y' or 'N' |
| SI750 | SI-10-B-1-E | Other universal waste activities must indicate whether the activity was generated or accumulated. | If GENERATED = 'N' Then ACCUMULATED = 'Y'<br>If ACCUMULATED = 'N' Then GENERATED = 'Y' |
| SI760 | SI-2 | SI4 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |
| SI780 | SI-11-A | Waste code for federally regulated hazardous wastes must be a federal waste code value specified in the *2005 Hazardous Waste Report, Instructions and Forms.* | EPA_WASTE_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| SI790 | SI-2 | SI5 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |
| SI810 | SI-11-B | Waste code must be registered with the RCRAInfo database. | STATE_WASTE_CODE = implementer defined value in LU_WASTE_CODE |
| SI820 | | SI8 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |
| SI830 | | State activity type must be registered with the RCRAInfo database. | STATE_ACTIVITY_TYPE = implementer defined value in LU_STATE_ACTIVITY |
| SI840 | | SI9 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1 file |
| SI850 | | Owner/operator state must be a value specified in Appendix F or blank. | OWNER_OPERATOR_STATE = value specified in Appendix F or ' ' |
| SI870 | | Owner/operator zip code must contain only the characters 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, or blank. | OWNER_OPERATOR_ZIP characters = '0', '1', '2', '3', '4', '5', '6', 7', '8', '9', ' ' |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| SI890 | | Owner/operator country must be a valid value. If the owner/operator country is blank, a value of UNITED STATES will be assumed. | OWNER_OPERATOR_COUNTRY = country name provided in LU_COUNTRY |
| SI910 | | Owner / operator indicator must equal 'CO' or 'CP'. | OWNER_OPERATOR_INDICATOR = 'CO' or 'CP' |
| SI920 | | At least one SI9 record with owner/operator indicator = 'CO' and at least one SI9 record with owner/operator indicator = 'CP' must be provided. | There must be at least one record in SI9 where OWNER_OPERATOR_INDICATOR = 'CO' and there must be a least one record in SI9 where OWNER_OPERATOR_INDICATOR = 'CP' |
| SI999 | | Include in national report flag must equal 'Y' or 'N'. | INCLUDE_IN_NATIONAL_REPORT = 'Y' or 'N' |

## C.4 Form GM Edits

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| GM000 | GM | GM1 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1file |
| GM010 | GM | Page number must be greater than zero. | HZ_PG > 0 |
| GM020 | GM-1-H | Generated quantity unit of measure must equal '1', '2', '3', '4', '5', '6', or '7'. | UNIT_OF_MEASURE = '1' or '2' or '3' or '4' or '5' or '6' or '7' |
| GM030 | GM-1-H | If the generated quantity unit of measure is '5', '6' or '7' then density must be greater than zero and density unit of measure must be 1 or 2. | If UNIT_OF_MEASURE = '5', '6', or '7' Then WST_DENSITY > 0 AND DENSITY_UNIT_OF_MEASURE = 1 or 2 |
| GM040 | GM-1-H | Waste density must be greater than or equal to 0.01 and less than or equal to 999.99, or equal to 0. | WST_DENSITY >= 0.01 and <= 999.99 or WST_DENSITY = 0 |
| GM050 | GM-1-G | Quantity generated in the reporting year must be greater than or equal to 0.000001 and less than or equal to 99,999,999,998.999999, or equal to zero. | GEN_QTY >= 0.000001 and <= 99999999998.999999 or GEN_QTY = 0 |
| GM060 | GM | GM2 record is present, but corresponding record does not exist in the GM1 file. | HANDLER_ID and HZ_PG in GM1 file |
| GM090 | GM-1-B | EPA hazardous waste code must be an EPA waste code value specified in the *2005 Hazardous Waste Report, Instructions and Forms*. | EPA_WASTE_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| GM100 | GM-1-B | EPA or State hazardous waste data must be provided. | HANDLER_ID and HZ_PG in GM1 file and in GM2 or GM3 file |
| GM110 | GM | GM4 record is present, but corresponding record does not exist in the GM1 file. | HANDLER_ID and HZ_PG in GM1 file |
| GM120 | GM - Assigned by respondent | Off-site code sequence number must be greater than zero. | IO_PG_NUM_SEQ > 0 |
| GM140 | GM-3-B | The off-site shipment handler EPA ID number must begin with a valid state postal code. | SUBSTR(IO_TDR_ID,1,2) = valid state postal code (see Appendix F) |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| GM150 | GM-3-D | Total quantity shipped off-site in the reporting year must be greater than or equal to 0.000001 and less than or equal to 99,999,999,998.999999. | IO_TDR_QTY >= 0.000001 and <= 99999999998.999999 |
| GM160 | GM-3-C | The off-site management method must be a management method specified in the *2005 Hazardous Waste Report, Instructions and Forms* or blank. | MANAGEMENT_METHOD = management method specified in the *2005 Hazardous Waste Report, Instructions and Forms* or blank. |
| GM170 | GM | GM5 record is present, but corresponding record does not exist in the GM1 file. | HANDLER_ID and HZ_PG in GM1 file |
| GM180 | GM - Assigned by respondent | On-site sequence number must be greater than zero. | SYS_PG_NUM_SEQ > 0 |
| GM190 | GM-2 | Total quantity treated, disposed, or recycled on-site in the reporting year must be greater than or equal to 0.000001 and less than or equal to 99,999,999,998.999999. | SYS_TDR_QTY >= 0.000001 and <= 99999999998.999999 |
| GM210 | GM-2 | The on-site management method must contain a management method specified in the *2005 Hazardous Waste Report, Instructions and Forms*. | MANAGEMENT_METHOD = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| GM220 | GM-1-E | The form code must be a form code value specified in the *2005 Hazardous Waste Report, Instructions and Forms* or blank. | FORM_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* or ' ' |
| GM230 | GM-1-D | If source code equals G25 then the management method code must be a management method specified in the *2005 Hazardous Waste Report, Instructions and Forms*. If source code is not equal to G25 then the management method code must be blank. | If SOURCE_TYPE = 'G25' Then ORIGIN_MANAGEMENT_METHOD = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* Else ORIGIN_MANAGEMENT_METHOD = ' ' |
| GM270 | GM-1-D | The source code must be a source code value specified in the *2005 Hazardous Waste Report, Instructions and Forms*. | SOURCE_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| GM280 | GM | GM3 record is present, but corresponding record does not exist in the GM1 file. | HANDLER_ID and HZ_PG in GM1 file |
| GM300 | GM-1-C | Waste code must be registered with the RCRAInfo database. | WASTE_CODE = implementer defined state waste code in LU_WASTE_CODE |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| GM310 | | If Include in National Report in the SI1 file equals 'N' then Include in National Report must be a 'N'. If Include in National Report in the SI1 file equals 'Y' then Include in National Report must be a 'Y' or 'N'. | If INCLUDE_IN_NATIONAL_REPORT = 'N' in the SI1 file Then INCLUDE_IN_NATIONAL_REPORT = 'N'<br>Else INCLUDE_IN_NATIONAL_REPORT = 'Y' or 'N' |
| GM320 | GM-2 | On-site management indicator must equal ‘Y’ or ‘N’ | ON_SITE_MANAGEMENT = ‘Y’ or ‘N’ |
| GM330 | GM-2 | If On-site management indicator equals ’Y’ then at least one corresponding record must exist in GM5 file. | If ON_SITE_MANAGEMENT = ‘Y’ Then HANDLER_ID and HZ_PG in GM5 file |
| GM335 | GM-2 | If On-site management indicator equals ‘N’ then no corresponding record may exist in GM5 file. | If ON_SITE_MANAGEMENT = ‘N’ Then no record in GM5 file for HANDLER_ID and HZ_PG |
| GM340 | GM-3-A | Off-site management indicator must equal ‘Y’ or ‘N’ | OFF_SITE_SHIPMENT = ‘Y’ or ‘N’ |
| GM350 | GM-3-A | If Off-site shipment indicator equals ‘Y’ then at least one corresponding record must exist in GM4 file. | If OFF_SITE_SHIPMENT = ‘Y’ Then HANDLER_ID and HZ_PG in GM4 file |
| GM355 | GM-3-A | If Off-site shipment indicator equals ‘N’ then no corresponding record may exist in GM4 file. | If OFF_SITE_SHIPMENT = ‘N’ Then no record in GM4 for HANDLER_ID and HZ_PG |

## C.5 Form WR Edits

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| WR000 | WR | WR1 record is present, but corresponding record does not exist in the SI1 file. | HANDLER_ID in SI1file |
| WR010 | WR | Page number must be greater than zero. | HZ_PG > 0 |
| WR020 | WR | Sub-page number must equal '1', '2', or '3'. | SUB_PG_NUM = '1' or '2' or '3' |
| WR030 | WR-F | Generated quantity unit of measure must equal '1', '2', '3', '4', '5', '6', or '7'. | UNIT_OF_MEASURE = '1' or '2' or '3' or '4' or '5' or '6' or '7' |
| WR040 | WR-F | If the generated quantity unit of measure is '5', '6' or '7' then density must be greater than zero and density unit of measure must be 1 or 2. | If UNIT_OF_MEASURE = '5', '6', or '7' Then WST_DENSITY > 0 AND DENSITY_UNIT_OF_MEASURE = 1 or 2 |
| WR050 | WR-F | Waste density must be greater than or equal to 0.01 and less than or equal to 999.99, or equal to 0. | WST_DENSITY >= 0.01 and <= 999.99 or WST_DENSITY = 0 |
| WR060 | WR-H | Management method code must be a management method specified in the *2005 Hazardous Waste Report, Instructions and Forms*. | MANAGEMENT_METHOD = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| WR070 | WR-D | The first two characters of the off-site handler EPA ID number must be a valid postal code (see Appendix F) or 'FC' (foreign country). | SUBSTR(IO_TDR_ID,1,2) = valid postal code (see Appendix F) or 'FC' |
| WR080 | WR-E | Total quantity received in the reporting year must be greater than or equal to 0.000001 and less than or equal to 99,999,999,998.999999. | IO_TDR_QTY >= 0.000001 and <= 99999999998.999999 |
| WR090 | WR | WR2 record is present, but corresponding record does not exist in the WR1 file. | HANDLER_ID, HZ_PG, and SUB_PG_NUM in WR1 file |
| WR110 | WR-B | EPA hazardous waste code must be an EPA waste code specified in the *2005 Hazardous Waste Report, Instructions and Forms*. | EPA_WASTE_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* |
| WR130 | WR-B | EPA or State hazardous waste data must be provided. | HANDLER_ID, HZ_PG, and SUB_PG_NUM in WR1 file and in WR2 or WR3 file |

| Edit Number | Form Location | Edit Description | Select Logic |
|---|---|---|---|
| WR180 | WR-G | The form code must be a form code specified in the *2005 Hazardous Waste Report, Instructions and Forms* or blank. | FORM_CODE = value specified in the *2005 Hazardous Waste Report, Instructions and Forms* or ' ' |
| WR200 | WR | WR3 record is present, but corresponding record does not exist in the WR1 file. | HANDLER_ID, HZ_PG, and SUB_PG_NUM in WR1 file |
| WR220 | WR-B | Waste code must be registered with the RCRAInfo database. | WASTE_CODE = implementer defined value in LU_WASTE_CODE |
| WR230 | | If Include in National Report in the SI1 file equals 'N' then Include in National Report must be 'N'. If Include in National Report in the SI1 file equals 'Y' then Include in National Report must be 'Y' or 'N'. | If INCLUDE_IN_NATIONAL_REPORT = 'N' in the SI1 file Then INCLUDE_IN_NATIONAL_REPORT = 'N'<br>Else INCLUDE_IN_NATIONAL_REPORT = 'Y' or 'N' |

# APPENDIX D

## Hazardous Waste Report Annotated Forms

## APPENDIX D – Hazardous Waste Report Annotated Forms

| **SEND THE COMPLETED FORM TO:** The Appropriate State or EPA Regional Office. | United States Environmental Protection Agency<br>**RCRA SUBTITLE C SITE IDENTIFICATION FORM** | |
|---|---|---|

| | | | |
|---|---|---|---|
| **1. Reason for Submittal (See instructions on page 23)**<br>MARK ALL BOX(ES) THAT APPLY | **Reason for Submittal:** SI1-2<br>❑ To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities).<br>❑ To provide Subsequent Notification of Regulated Waste Activity (to update site identification information).<br>❑ As a component of a First RCRA Hazardous Waste Part A Permit Application.<br>❑ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____).<br>**X** As a component of the Hazardous Waste Report. | | |
| **2. Site EPA ID Number (See page xx)** | **EPA ID Number:** SI1-1 | | |
| **3. Site Name (See page xx)** | **Name:** SI1-3 | | |
| **4. Site Location Information (See page xx)** | **Street Address:** SI-4, SI-5, SI1-6 | | |
| | **City, Town, or Village:** SI1-7 | | **State:** SI1-9 |
| | **County Name:** SI1-8 | | **Zip Code:** SI1-10 |
| **5. Site Land Type (See page xx)** | **Site Land Type:** ❑ Private ❑ County ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other SI1-18 | | |
| **6. North American Industry Classification System (NAICS) Code(s) for the Site (See page xx)** | **A.** SI6-3 | **B.** | |
| | **C.** | **D.** | |
| **7. Site Mailing Address (See page xx)** | **Street or P. O. Box:** SI1-11, SI1-12, SI1-13 | | |
| | **City, Town, or Village:** SI1-14 | | |
| | **State:** SI1-15 | | |
| | **Country:** SI1-16 | | **Zip Code:** SI1-17 |
| **8. Site Contact Person (See page xx)** | **First Name:** SI1-19 | **MI:** SI1-20 | **Last Name:** SI1-21 |
| | **Phone Number:** SI1-22 | **Extension:** SI1-23 | **Email address:** SI1-36 |

| | | |
|---|---|---|
| **9. Operator and Legal Owner of the Site (See pages xx to xx)** | **A. Name of Site's Operator:** SI9-4 | **Date Became Operator (mm/dd/yyyy):** SI9-5 |
| | **Operator Type:** ❑ Private ❑ County ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other SI9-6 | |
| | **B. Name of Site's Legal Owner:** SI9-4 | **Date Became Owner (mm/dd/yyyy):** SI9-5 |
| | **Owner Type:** ❑ Private ❑ County ❑ District ❑ Federal ❑ Indian ❑ Municipal ❑ State ❑ Other SI9-6 | |
| | **Street or P. O. Box:** SI9-7, SI9-8, SI9-9 | |
| | **City:** SI9-10 | |
| | **State:** SI9-11 | |
| | **Country:** SI9-13 | **Zip Code:** SI9-12 |

**10. Type of Regulated Waste Activity**
**Mark Yes or No for all activities; complete any additional boxes as instructed. (See instructions on pages xx to xx.)**

**A. Hazardous Waste Activities**
**Complete all parts for 1 through 6.**

Y ❑ N ❑ **1. Generator of Hazardous Waste**
**If Yes, choose only one of the following - a, b, or c.**
SI1-25

❑ a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or

❑ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or

❑ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

**In addition, indicate other generator activities.**

Y ❑ N ❑ d. United States Importer of Hazardous Waste
SI1-26

Y ❑ N ❑ e. Mixed Waste (hazardous and radioactive) Generator
SI1-27

Y ❑ N ❑ **2. Transporter of Hazardous Waste**
SI1-28

Y ❑ N ❑ **3. Treater, Storer, or Disposer of Hazardous Waste (at your site)** Note: A hazardous waste permit is required for this activity.
SI1-29

Y ❑ N ❑ **4. Recycler of Hazardous Waste (at your site)**
SI1-30

Y ❑ N ❑ **5. Exempt Boiler and/or Industrial Furnace**
**If Yes, mark each that applies.**

❑ a. Small Quantity On-site Burner Exemption SI1-31

❑ b. Smelting, Melting, and Refining Furnace Exemption SI1-32

Y ❑ N ❑ **6. Underground Injection Control**
SI1-33

**B. Universal Waste Activities**

Y ❑ N ❑ **1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal mark all boxes that apply:**

| | Generate | Accumulate |
|---|---|---|
| a. Batteries | ❑ SI2-2 | ❑ SI2-3 |
| b. Pesticides | ❑ SI2-4 | ❑ SI2-5 |
| c. Thermostats | ❑ SI2-6 | ❑ SI2-7 |
| d. Lamps | ❑ SI2-8 | ❑ SI2-9 |
| e. Other (specify) __SI3-2 _____ | ❑ SI3-3 | ❑ SI3-4 |
| f. Other (specify) _____ | ❑ | ❑ |
| g. Other (specify) _____ | ❑ | ❑ |

Y ❑ N ❑ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.
SI2-10

**C. Used Oil Activities**
**Mark all boxes that apply.**

Y ❑ N ❑ **1. Used Oil Transporter**
**If Yes, mark each that applies.**
❑ a. Transporter SI2-11
❑ b. Transfer Facility SI2-12

Y ❑ N ❑ **2. Used Oil Processor and/or Re-refiner**
**If Yes, mark each that applies.**
❑ a. Processor SI2-13
❑ b. Re-refiner SI2-14

Y ❑ N ❑ **3. Off-Specification Used Oil Burner** SI2-15

Y ❑ N ❑ **4. Used Oil Fuel Marketer**
**If Yes, mark each that applies.**
❑ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner SI2-16
❑ b. Marketer Who First Claims the Used Oil Meets the Specifications SI2-17

**11. Description of Hazardous Wastes (See instructions on page xx)**

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

| | | | | | | |
|---|---|---|---|---|---|---|
| SI4-2 | | | | | | |
| | | | | | | |
| | | | | | | |

**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

| | | | | | | |
|---|---|---|---|---|---|---|
| SI5-2 | | | | | | |
| | | | | | | |

**12. Comments (See instructions on page xx)**

SI1-35

**13. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
**(See instructions on page xx)**

| Signature of owner, operator, or an authorized representative | Name and Official Title (type or print) | Date Signed (mm/dd/yyyy) |
|---|---|---|
| | SI7-3, SI7-4, Si7-5, SI7-6 | SI7-7 |
| | | |
| | | |
| | | |

OMB#: 2050-0024 Expires 10/31/2005

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: |_|_|_|_| |_|_|_|_| |_|_|_|_| |_|_|_|_|

GM(x)-1

**FORM GM**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2005 Hazardous Waste Report

**WASTE GENERATION AND MANAGEMENT**

Instructions: Please see the detailed instructions beginning on page 19 of the instructions and forms booklet before completing this form.

**Sec. 1** A. Waste description GM1-11

B. EPA hazardous waste code |_|_|_|_|_| |_|_|_|_|_|_| GM2-3 |_|_|_|_|_| |_|_|_|_|_|_| |_|_|_|_|_|_|

C. State hazardous waste code GM3-3 |_|_|_|_|_|_|_| |_|_|_|_|_|_|_|

D. Source code |G|_|_|_| GM1-8

E. Form code |W|_|_|_| GM1-3

Management Method code for Source code G25 |H|_|_|_| GM1-7

F. Quantity generated in 2005 |_|_|_|_|_|_|_|_|_|_|_|.|_| GM1-9

G. UOM |_| GM1-4

Density |_|_|.|_|_| GM1-5

□ lbs/gal □ sg GM1-6

**Sec. 2** Was any of this waste managed on site? (pages

□ 1 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1) GM1-13

□ 2 No (SKIP TO SEC. 3)

**ON-SITE PROCESS SYSTEM 1**

On-site Management Method code |H|_|_|_| GM5-4

Quantity treated, disposed, or recycled on site in 2005 |_|_|_|_|_|_|_|_|_|_|_|.|_| GM5-5

**ON-SITE PROCESS SYSTEM 2**

On-site Management Method code |H|_|_|_|

Quantity treated, disposed, or recycled on site in 2005 |_|_|_|_|_|_|_|_|_|_|_|.|_|

**Sec. 3** A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? (pages 25 and 26)

□ 1 Yes (CONTINUE TO BOX B) □ 2 No (FORM IS COMPLETE) GM1-14

Site 1 B. EPA ID No. of facility to which waste was shipped |_|_|_|_| |_|_|_|_| |_|_|_|_| |_|_|_|_| GM4-5

C. Off-site Management Method code Shipped to |H|_|_|_| GM4-4

D. Total quantity shipped in 2005 |_|_|_|_|_|_|_|_|_|_|_|.|_| GM4-6

Comments: GM1-12

OMB#: 2050-0024 Expires 10/31/2005

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

**FORM WR**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2005 Hazardous Waste Report

**WASTE RECEIVED FROM OFF SITE**

Instructions: Please see the detailed instructions beginning on page 27 of the instructions and forms booklet before completing this form.

| A. Description of hazardous waste | B. EPA hazardous waste code | C. State hazardous waste code |
|---|---|---|
| **Waste 1** WR1-12 | WR2-4 | WR3-4 |

| D. Off-site handler EPA ID number | E. Quantity received in 2005 | F. UOM Density |
|---|---|---|
| WR1-9 | WR1-10 | WR1-5 WR1-6 □ 1 lbs/gal □ 2 sg WR1-7 |

| G. Form code | H. Management Method code |
|---|---|
| WR1-4 | WR1-8 |

Comments: WR1-13

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME: _____

EPA ID NO: └─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘

OI1-1

**FORM OI**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2005 Hazardous Waste Report

**OFF-SITE IDENTIFICATION**

Instructions: Please read the detailed instructions on the reverse side before completing this form.

**Site 1**

A. EPA ID No. of off-site installation or transporter └─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘ OI1-3

B. Name of off-site installation or transporter OI1-7

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator OI1-4
- □ Transporter OI1-5
- □ TSDR facility OI1-6

D. Address of off-site installation
Street _OI1-8, OI1-9_____
City _OI1-10_____ State └─┴─┘
Zip └─┴─┴─┴─┴─┘-└─┴─┴─┴─┘ OI1-12 OI1-11

**Site 2**

A. EPA ID No. of off-site installation or transporter └─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

D. Address of off-site installation
Street _____
City _____ State └─┴─┘
Zip └─┴─┴─┴─┴─┘-└─┴─┴─┴─┘

**Site 3**

A. EPA ID No. of off-site installation or transporter └─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘ └─┴─┴─┴─┘

B. Name of off-site installation or transporter

C. Handler type (CHECK ALL THAT APPLY)
- □ Generator
- □ Transporter
- □ TSDR facility

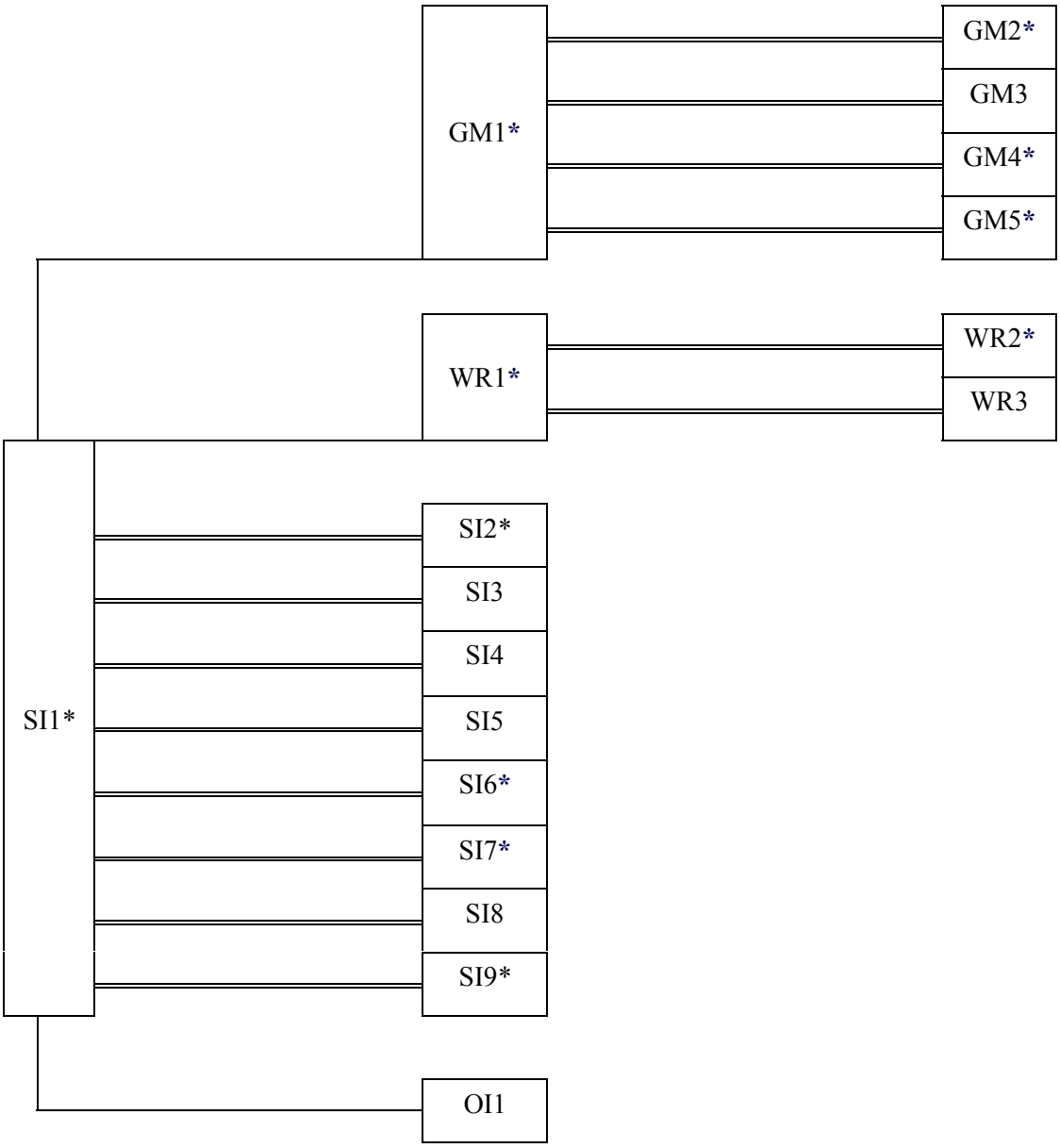
D. Address of off-site installation
Street _____
City _____ State └─┴─┘
Zip └─┴─┴─┴─┴─┘-└─┴─┴─┴─┘

Comments:
OI1-13

# APPENDIX E

## FLAT FILE HIERARCHY

## APPENDIX E - Flat File Hierarchy




* These flat files contain required data elements.

NOTE: The OI1 flat file should never be included in the submission to RCRAInfo.

# APPENDIX F

## State Postal Codes

## APPENDIX F - State Postal Codes

| State Name | Postal Code | State Name | Postal Code | State Name | Postal Code |
|---|---|---|---|---|---|
| Alabama | AL | Kentucky | KY | Ohio | OH |
| Alaska | AK | Louisiana | LA | Oklahoma | OK |
| American Samoa | AS | Maine | ME | Oregon | OR |
| Arizona | AZ | Maryland | MD | Pennsylvania | PA |
| Arkansas | AR | Massachusetts | MA | Puerto Rico | PR |
| California | CA | Michigan | MI | Rhode Island | RI |
| Colorado | CO | Minnesota | MN | South Carolina | SC |
| Connecticut | CT | Mississippi | MS | South Dakota | SD |
| Delaware | DE | Missouri | MO | Tennessee | TN |
| District of Columbia | DC | Montana | MT | Texas | TX |
| Florida | FL | Navajo Nation | NN | Trust Territories | TT |
| Georgia | GA | Nebraska | NE | Utah | UT |
| Guam | GU | Nevada | NV | Vermont | VT |
| Hawaii | HI | New Hampshire | NH | Virgin Islands | VI |
| Idaho | ID | New Jersey | NJ | Virginia | VA |
| Illinois | IL | New Mexico | NM | Washington | WA |
| Indiana | IN | New York | NY | West Virginia | WV |
| Iowa | IA | North Carolina | NC | Wisconsin | WI |
| Kansas | KS | North Dakota | ND | Wyoming | WY |

**End of document.**